

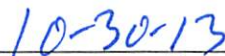
# City of Memphis

## Semi-Annual Report April 1, 2013 through September 30, 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.



Bobby D. Allen, P.E.



Date

# Section 1

## Introduction

On September 20, 2012, the United States District Court for the Western District of Tennessee entered a Consent Decree between the City of Memphis (the City) and the United States, the State of Tennessee, and the Tennessee Clean Water Network.

To fulfill the reporting requirements defined in Paragraph VIII.25. of the Consent Decree, the City has prepared this Semi-Annual Report, which includes the following information:

- A description of projects and activities completed and milestones achieved during the previous six month period pursuant to the requirements of the Consent Decree.
- A summary of significant projects and activities anticipated to be performed, and milestones anticipated to be achieved, in the next six month period pursuant to the requirements of the Consent Decree.
- Any additional information determined to be appropriate to demonstrate implementation of the remedial actions required under the Consent Decree.

This report is organized into four sections:

- **Section 1** provides an introduction.
- **Section 2** documents recent progress and anticipated continuing activities related to development and implementation of the Management, Operations, and Maintenance (MOM) Programs noted in the Consent Decree.
- **Section 3** identifies recent progress and anticipated continuing activities related to the Priority Rehabilitation Projects noted in the Consent Decree.
- **Section 4** provides a summary of additional actions that the City has recently completed and anticipates completing over the next six months to maintain compliance with the Consent Decree.

## Section 2

# Management, Operations, and Maintenance Programs

As defined in Paragraph V.10 of the Consent Decree, the City shall develop and implement specific MOM Programs. These MOM Programs are listed below along with a summary of activities completed in the previous six months and activities anticipated to be performed during the upcoming six months. A chart showing the status of compliance is presented as **Figure 2-1**. All MOM Programs activities are currently in compliance.

### 2.1 Sewer Overflow Response Plan

#### **Activities Completed During This Reporting Period**

The City submitted a Sewer Overflow Response Plan (SORP) to the U.S. Environmental Protection Agency (EPA) and Tennessee Department of Environment and Conservation (TDEC) on March 11, 2011, before the Consent Decree was entered. A copy of the SORP is included in Appendix B of the Consent Decree. During this reporting period, the City continued to operate under the processes described in the SORP.

#### **Activities Anticipated to be Performed During the Next Reporting Period**

The City will continue to operate under the approved SORP.

### 2.2 Fats, Oil, and Grease Management Program

#### **Activities Completed During This Reporting Period**

The City submitted an updated Fats, Oil, and Grease (FOG) Management Program to EPA and TDEC, which was included in Appendix C of the Consent Decree. During this reporting period, the City continued to operate under the processes described in the FOG Management Program. In addition to conducting the required inspection and reporting activities, the City has continued public outreach efforts, such as the use of billboard and bus stop advertising and the distribution of “Can the Grease” door hangers and can lids to discourage residents from discarding cooking oils and other FOG in the sewer system. During the reporting period, the City undertook a review process to determine if updates to the FOG program are necessary.

**Figure 2-1  
MOM Programs Progress**

Program	CD Reference	CD Milestone	Progress Last Six Months						Anticipated Activities Next Six Months					
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Sewer Overflow Response Program	V.10.a	-	Previously submitted. Memphis is implementing.						Continue to implement SORP.					
Fats, Oils, and Grease Management Program	V.10.b	-	Previously submitted. Review of program to determine if updates are necessary is underway.						Submit updated program to EPA. Continue to implement program.					
Lift Station & Force Main O&M Program	V.10.c	9/19/2013	Submitted to PDR for public comment on 8/8/13, then submitted to EPA and TDEC on 9/16/2013						Respond to any comments received, revise program as appropriate, and implement approved program					
SCADA installation at lift stations	V.10.c.iii	3/19/2013	Previously completed. SCADA is operational.											
Gravity Sewer System O&M Program	V.10.d	9/19/2013	Submitted to PDR for public comment on 8/8/13, then submitted to EPA and TDEC on 9/16/2013						Respond to any comments received, revise program as appropriate, and implement approved program					
Inter-Jurisdictional Agreement Program	V.10.e	3/19/2013	Awaiting comments from EPA and/or TDEC						Respond to any comments received, revise program as appropriate, and implement approved program					
Continuing Sewer Assessment Program	V.10.f	9/19/2013	Submitted to PDR for public comment on 8/8/13, then submitted to EPA and TDEC on 9/16/2013						Respond to any comments received, revise program as appropriate, and implement approved program					
Infrastructure Rehabilitation Program	V.10.g	Within 180 days of EPA approval of CSAP	Under development						Development will continue					

### **Activities Anticipated to be Performed During the Next Reporting Period**

The City will continue to operate under the approved FOG Management Program. A copy of the updated FOG Management Program is attached as Appendix A to this report. Due to the vagueness associated with the terms “form” and “substance” as set forth in paragraph 10 of the CD, the City is submitting the FOG program revisions to EPA for approval.

The Food Establishment Waste Discharge (FEWD) reissued permits have yet to include language requiring FEWDs to maintain documentation of training on site for review during routine FOG inspections. This provision was not picked up during FEWD permit reissuance and will be implemented immediately upon reissuing FEWD permits. In addition, due to a shortage of operators at the treatment plant, a FOG inspector with a Tennessee Wastewater Operators License was temporarily assigned to plant operations to assure compliance with NPDES permit discharge requirements. Steps are being taken to back-fill the position.

## **2.3 Lift Station and Force Main O&M Program**

### **Activities Completed During This Reporting Period**

The City, in conjunction with CDM Smith Inc., completed development of the Lift Station and Force Main Operations and Maintenance (O&M) Program, as required in Paragraph V.10.c of the Consent Decree. The document was submitted to the Public Documents Repository (PDR) for a 30-day public comment period beginning on August 8, 2013. As there were no public comments during the 30-day period, the document was submitted to EPA and TDEC for review on September 16, 2013.

### **Activities Anticipated to be Performed During the Next Reporting Period**

It is anticipated during the next reporting period that EPA, after consultation with TDEC, will provide the City comments on the Lift Station and Force Main O&M Program or approve the document as submitted. Section 14 of the Consent Decree generally envisions up to a 120-day period for EPA comments on deliverables. The City will respond to comments received from EPA, if any, and will revise the Lift Station and Force Main O&M Program, as appropriate. Once approved, the City will implement the Lift Station and Force Main O&M Program.

## **2.4 Gravity Sewer System O&M Program**

### **Activities Completed During This Reporting Period**

The City, in conjunction with CDM Smith Inc., completed development of the Gravity Sewer O&M Program, as required in Paragraph V.10.d of the Consent Decree. The document was submitted to the PDR for a 30-day public comment period beginning on August 8, 2013. As there were no public comments during the 30-day period, the document was submitted to EPA and TDEC for review on September 16, 2013.

### **Activities Anticipated to be Performed During the Next Reporting Period**

It is anticipated during the next reporting period that EPA, after consultation with TDEC, will provide the City comments on the Gravity Sewer O&M Program or approve the document as submitted. Section 14 of the Consent Decree generally envisions up to a 120-day period for EPA comments on deliverables. The City will respond to comments received from EPA, if any, and will revise the Gravity Sewer O&M Program, as appropriate. Once approved, the City will implement the Gravity Sewer O&M Program.

## 2.5 Inter-Jurisdictional Agreement Program

### Activities Completed During This Reporting Period

No additional activities regarding the IJAP were completed during the reporting period, as the City is awaiting EPA and TDEC comments.

### Activities Anticipated to be Performed During the Next Reporting Period

It is anticipated during the next reporting period that EPA, after consultation with TDEC, will provide the City comments on the IJAP or approve the IJAP as submitted. Section 14 of the Consent Decree generally envisions up to a 120-day period for EPA comments on deliverables. The City will respond to comments received from EPA, if any, and will revise the IJAP, as appropriate. Once approved, the City will follow the IJAP for new agreements and renewal of existing agreements related to the collection, conveyance, and treatment of sewage by the City from municipal satellite sewer systems.

## 2.6 Continuing Sewer Assessment Program

### Activities Completed During This Reporting Period

The City, in conjunction with CDM Smith Inc., completed development of the Continuing Sewer Assessment Program (CSAP), as required in Paragraph V.10.f of the Consent Decree. The document was submitted to the PDR for a 30-day public comment period beginning on August 8, 2013. As there were no public comments during the 30-day period, the document was submitted to EPA and TDEC for review on September 16, 2013.

### Activities Anticipated to be Performed During the Next Reporting Period

It is anticipated during the next reporting period that EPA, after consultation with TDEC, will provide the City comments on the CSAP or approve the document as submitted. Section 14 of the Consent Decree generally envisions up to a 120-day period for EPA comments on deliverables. The City will respond to comments received from EPA, if any, and will revise the CSAP, as appropriate. Once approved, the City will implement the CSAP in accordance with the timeframes presented in the Consent Decree.

## 2.7 Infrastructure Rehabilitation Program

### Activities Completed During This Reporting Period

The City, in conjunction with CDM Smith, continued preliminary activities to support the development of the Infrastructure Rehabilitation Program (IRP), as required in Paragraph V.10.g of the Consent Decree.

### Activities Anticipated to be Performed During the Next Reporting Period

During the next reporting period, it is anticipated that preliminary work on the IRP will continue. Pursuant to the Consent Decree, it is anticipated that this program will not be submitted to the PDR, EPA, or TDEC until after EPA approval of the CSAP.

## Section 3

# Priority Rehabilitation Projects

As defined in Paragraph V.11 of the Consent Decree, the City shall complete various Priority Rehabilitation Projects. These projects are listed below along with a summary of activities completed in the previous six months and activities anticipated to be performed during the upcoming six months. A chart showing the status of compliance is presented as **Figure 3-1**. All Priority Rehabilitation Project activities are currently in compliance with two of the critical infrastructure area projects completed significantly ahead of schedule. In fact, Appendix B to this report includes a copy of the Interim Critical Areas Project Report, which discusses the completion of two of the critical infrastructure areas projects.

### 3.1 Priority Areas Projects

#### **Activities Completed During This Reporting Period**

Paragraph V.11.a of the Consent Decree identifies several areas of the City's wastewater collection and transmission system (WCTS) that should be assessed during the first and second years following approval of the CSAP. These areas are shown in Appendix E and F of the Consent Decree, respectively. Additionally, a subset of the first year priority area (Appendix E), as shown in Appendix G of the Consent Decree, is identified as a priority during implementation of the IRP.

Because work in these priority areas is tied to approval of the CSAP and IRP, no activities have been completed, excluding work associated with pilot areas described in Section 4. It is anticipated that, consistent with the terms of the Consent Decree, assessment of the areas shown in Appendix E and F of the Consent Decree will be completed during the first and second years, respectively, following approval of the CSAP. It is further anticipated, consistent with the terms of the Consent Decree, that rehabilitation projects within the areas shown in Appendix G of the Consent Decree shall be completed within six years and seven months after EPA's approval of the IRP. Additional compliance dates are shown on Figure 3-1.

#### **Activities Anticipated to be Performed During the Next Reporting Period**

During the upcoming reporting period, no work associated with the priority areas is anticipated excluding work in the pilot areas discussed in Section 4.





## 3.2 Critical Infrastructure Areas Projects

### Activities Completed During This Reporting Period

As discussed in Paragraph V.11.b of the Consent Decree, three areas within the WCTS were identified to receive prioritized rehabilitation due to the critical nature of the infrastructure and the potential consequences of large SSO volumes in the event of a failure. A map showing the locations of these areas is included as Appendix H of the Consent Decree.

Rehabilitation work has been completed in two of those areas significantly ahead of schedule. The first critical area, which included approximately 1,000 linear feet of the 48-inch Wolf River Interceptor, was rehabilitated via cured-in-place pipe (CIPP). This project was completed in August 2012. The third critical area, which included approximately 540 linear feet of the 84-inch interceptor located where McLean Boulevard crosses the Wolf River and Interstate 40, was also rehabilitated via CIPP. This project was completed in November 2012. During the reporting period, the City began development of the portions of the Final Critical Areas Project Report discussing these two areas.

Preliminary work associated with the second critical area, which is a portion of the 96-inch interceptor at the entrance/exit ramp located at mile 51 of Interstate 240, was initiated during the reporting period. The condition of the interceptor has been assessed by Redzone Robotics. That data is currently being reviewed, and alternatives for rehabilitation are being evaluated in conjunction with the Tennessee Department of Transportation (TDOT).

### Activities Anticipated to be Performed During the Next Reporting Period

It is anticipated that work associated with the second critical area will continue through the next reporting period, with this work being completed in compliance with the timeframe established in the Consent Decree. The Final Critical Areas Project Report is anticipated to be submitted within six months of completion of the second critical area, consistent with the terms of the Consent Decree.

While the Final Critical Areas Project Report is not required to be submitted until after all three of the projects are complete, the City does not see a reason to delay submission of documentation for those projects that are already complete. This documentation is contained in the Interim Critical Areas Project Report for Critical Areas #1 and #3, which is included as Appendix B of this report.

## 3.3 Prior Assessment Areas Projects

### Activities Completed During This Reporting Period

As discussed in Paragraph V.11.c of the Consent Decree, four additional rehabilitation projects have been identified based on previous inspection and assessment activities to be completed within four years from the effective date of the Consent Decree.

The work described in Paragraph V.11.c.(i) was completed in November 2012. This included rehabilitation of approximately 4,000 feet of the Nonconnah Interceptor between manholes N06-119 and N06-127 via CIPP.

A portion of the work described in Paragraph V.11.c.(iii) has also been completed. The 64 manholes identified for rehabilitation in the June 6, 2006 Buchart-Horn study report were divided into two project groups. The last of the 32 manholes in the first group was rehabilitated during the reporting period.

The work described in Paragraph V.11.c.(iv) has been initiated, including preliminary selection of the contractor to complete the work. This project includes CIPP lining on segments of the Wolf River Interceptor between demarcation points W05-120 and W05-130.

**Activities Anticipated to be Performed During the Next Reporting Period**

During the upcoming reporting period, it is anticipated that the plans and specifications will be completed and bid packages prepared to solicit bidders to rehabilitate the remaining 32 manholes, as discussed in Paragraph V.11.c.(iii).

It is also anticipated that construction activities associated with the work described in Paragraph V.11.c.(iv.) will begin in the upcoming reporting period.

Work associated with the remaining activities is anticipated to be completed within the timeframes established in the Consent Decree.

## Section 4

# Additional Measures to Maintain Compliance

In addition to the projects and activities described in the previous sections, the measures described below are related to the City's ongoing Consent Decree compliance.

### 4.1 M.C. Stiles WWTP Foam Study and Outfall Improvements

As described in Paragraph V.12 of the Consent Decree, the City is required to implement the M.C. Stiles Wastewater Treatment Plant (WWTP) Foam Study and Outfall Improvements Work Plan that was included as Appendix I of the Consent Decree.

#### **Activities Completed During This Reporting Period**

During the reporting period, design activities for this project have continued, including the construction of a 1:6 scale physical model of the existing outfall and utilization of that model to test the effectiveness of modified structures on foam mitigation. Due to concerns about the ability of the recommended alternative to reduce foam identified during the preliminary design stage, the City decided that it would be prudent to take the extra step of engaging a firm (i.e., Clemson Engineering Hydraulics, Inc.) to undertake physical modeling and testing. This is going to provide greater site-specific information and is expected to produce a design with the desired effect of reducing foam. Because of this additional analysis, the project design and associated implementation schedule presented in the work plan will require modifications. As such, the City submitted a proposed modification to the Consent Decree in a letter dated October 28, 2013. A copy of that letter is included as Appendix C of this report.

#### **Activities Anticipated to be Performed During the Next Reporting Period**

It is anticipated that the proposed modification to the Consent Decree will be executed and that design activities will continue during the upcoming reporting period.

### 4.2 State Projects

As described in Appendix J of the Consent Decree, the City is required to implement two state projects. Activities associated with these projects are described in the following subsections.

#### **4.2.1 State Project A – Color Study**

As described in Appendix J of the Consent Decree, the City is required to undertake a color study to assist TDEC in the development of a numerical color permit limit.

#### **Activities Completed During This Reporting Period**

The University of Memphis, through their contract with the City, has continued implementing the TDEC-approved color study during this reporting period. Sampling and analysis of true and apparent color, which was initiated in January 2013, was continued on a weekly basis throughout the reporting period. As part of the participant survey task, a survey questionnaire, which is to be completed as participants visit three locations, was developed and has been completed on a monthly basis, beginning in March 2013. An additional mechanical turk survey to assess the human perception of color change was formulated and conducted, and formulation of a second mechanical

turk survey to investigate people's perception of color from wildlife camera photos is underway. Leaders from industries were also briefed on the study tasks by the City.

#### **Activities Anticipated to be Performed During the Next Reporting Period**

It is anticipated that the study will continue to be implemented during the upcoming reporting period. Sampling protocols are anticipated to be finalized, and the analysis of results begun. Remaining surveys are anticipated to be conducted, and participant responses analyzed.

#### **4.2.2 State Project B – Geographic Information System**

As described in Appendix J of the Consent Decree, the City will begin implementing the transition of its sanitary sewer record information, primarily on paper maps, into an electronic Geographic Information System (GIS).

#### **Activities Completed During This Reporting Period**

During the reporting period, the City has continued discussions with the University of Memphis Center for Partnerships in Geographic Information Systems (CPGIS) regarding the conversion of the City's sewer records into a GIS. Prior to lodging of the Consent Decree, basic information associated with the initial assessment areas, shown as Appendix E of the Consent Decree, was converted from paper maps into GIS. The City, the City's program management team, and CPGIS reviewed the applicable data and developed an asset nomenclature and a schema for the project.

#### **Activities Anticipated to be Performed During the Next Reporting Period**

During the next reporting period, the City will continue discussions with CPGIS regarding data for the WCTS. It is anticipated that the existing WCTS GIS data will be updated with information collected during field investigation activities beginning with the two pilot areas.

### **4.3 Program Administration Activities**

Since entering into the Consent Decree, the City has conducted several administrative activities to prepare for the implementation of the Consent Decree program.

#### **Activities Completed During This Reporting Period**

- In April 2013, the City finalized the contract with Black & Veatch to serve as the overall program and construction manager for Consent Decree implementation. The City notified Black & Veatch and its sub-consultants via electronic mail that a copy of the Consent Decree is posted on the City website.
- The City is in the preliminary stages of developing a minority/woman business enterprise (MWBE) program to train MWBEs and encourage their participation in the Consent Decree program.
- Black & Veatch, in conjunction with the City, established a program office, developed a Program Work Management Plan, and finalized the Program Procurement Plan.
- New or revised specifications for contractor work involving manhole inspection and GPS location, CCTV condition assessment of gravity sewer pipes, smoke testing/dye testing, and sonar/CCTV have been assembled and formatted to meet City standards.

### Activities Anticipated to be Performed During the Next Reporting Period

- It is expected that Black & Veatch will contract with firms to conduct condition assessment work, which may include smoke testing, manhole inspections, dye studies, and CCTV inspections. This work is not required until approval of the CSAP is obtained; however, the City anticipates moving forward with the condition assessment work described in Sections 4.5 and 4.6.
- The City will continue to develop the MWBE program to train MWBEs and encourage their participation in the Consent Decree program.
- Standard specifications for contractor services involving manhole inspection and GPS location, CCTV condition assessment of gravity sewer pipes, smoke testing/dye testing, and sonar/CCTV will be revised or amended as needed following the pilot project execution.

## 4.4 Snowden Assessment and Rehabilitation

Although not required by the Consent Decree (except to the extent that there is some minor overlap with the Appendix E and Appendix F areas), the City is already undertaking assessment and rehabilitation work in the Snowden area. The assessment area included approximately 87,400 linear feet of pipe and 251 manholes.

### Activities Completed During This Reporting Period

Repair and rehabilitation work in the Snowden area has continued throughout the reporting period. To date, approximately 55 percent of the work has been completed, including approximately 11,400 linear feet of CIPP lining, 4,500 linear feet of pipe bursting, and several point repairs. When complete, it is anticipated that this project will include approximately 56 point repairs, 64,500 linear feet of CIPP lining, 7,700 linear feet of sewer replacement via pipe bursting, additional CCTV inspection, manhole rehabilitation, and replacement of some service connections to the property line.

### Activities Anticipated to be Performed During the Next Reporting Period

The rehabilitation work in the Snowden area is anticipated to be completed during the upcoming reporting period.

## 4.5 Cane Creek Assessment Pilot Testing

The City is undertaking condition assessment work in the Cane Cree area, which includes approximately 283,000 linear feet of pipe. This area, which includes a portion of the area shown in Appendix E of Consent Decree, is anticipated to be used as a pilot area to test the procedures being established through the CSAP and help the City in the development of the IRP.

### Activities Completed During This Reporting Period

The City's program management team solicited statements of qualifications (SOQs) from firms to conduct assessments of the WCTS in Cane Creek area. Based on these SOQs, proposals were obtained from four firms to conduct the assessment work.

### Activities Anticipated to be Performed During the Next Reporting Period

A contract for condition assessment activities is expected to be awarded during the next reporting period. Subsequently, condition assessment activities will be conducted, and it is anticipated that these activities will be complete and data review underway during the next reporting period.

## 4.6 Hickory Hill Assessment Pilot Testing

Although not required at this time by the Consent Decree, the City is undertaking condition assessment work in the Hickory Hill area. The assessment area includes approximately 40,900 linear feet of pipe and is anticipated to be used as a pilot area to test the procedures being established through the CSAP and help the City in the development of the IRP.

### **Activities Completed During This Reporting Period**

The City's program management team solicited statements of qualifications (SOQs) from firms to conduct assessments of the WCTS in Hickory Hill area. Based on these SOQs, proposals were obtained from four firms to conduct the assessment work.

### **Activities Anticipated to be Performed During the Next Reporting Period**

A contract for condition assessment activities is expected to be awarded during the next reporting period. Subsequently, condition assessment activities will be conducted, and it is anticipated that these activities will be completed and data review underway during the next reporting period.

## 4.7 Loosahatchie Interceptor Assessment

Although not required at this time by the Consent Decree, the City is undertaking condition assessment of approximately 22,000 linear feet of the Loosahatchie Interceptor.

### **Activities Completed During This Reporting Period**

The City has identified 22,000 linear feet of the Loosahatchie Interceptor for laser and/or sonar inspections to assess the condition of this interceptor. Preliminary activities for contracting this inspection work were initiated during the reporting period.

### **Activities Anticipated to be Performed During the Next Reporting Period**

The specifications for condition assessment activities for this project are anticipated to be finalized, and a contract for these services is expected to be advertised for bids during the next reporting period.

# Appendix A

## Updated FOG Management Program

# City of Memphis

## Fats, Oil, and Grease Management Program Updated October 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.



\_\_\_\_\_  
Bobby D. Allen, P.E.



\_\_\_\_\_  
Date



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# Section 1

## Introduction

FOG is one of the primary causes of sanitary sewer blockages in wastewater collection systems across the United States. “FOG” refers to fats, oils and grease, which are commonly found in such things as meats, sauces, gravy, dressings, deep-fried foods, baked goods, cheeses, butter, and other manufactured food and non-food items.

FOG wastes are generated by residents and businesses processing or serving food and other products. Businesses include eating and drinking establishments, caterers, hospitals, nursing homes, day care centers, schools and grocery stores, and will be collectively referred to as “food establishments.”

In addition, many industries also produce a waste stream that may contain varying levels of FOG by-products from their manufacturing process.

FOG waste is often washed into the plumbing and drainage system and on to the wastewater collection system, usually through a kitchen sink or process of floor drain. Grease hardens to the insides of sewer pipes and, over time, the buildup can block the entire pipe.

When sewer pipelines become blocked with grease, sewage has the potential to flow out of manholes. Sewer overflows pose a threat to public health, adversely affect aquatic life, and often are expensive to clean up.

### 1.1 Purpose

The prevention of FOG accumulation in sewer systems requires organized programs with proven effectiveness. This document outlines the programs utilized by the City of Memphis— both historically effective programs and new expanded programs, intended for further improvement. This is a working document and should be reviewed and updated as deemed appropriate, at a minimum of once every two years unless the City determines that revision(s) are required on a more frequent basis.

### 1.2 History

FOG has long been identified as a major cause of sewer overflows in the City of Memphis (City), and grease from food establishments and local residents has been recognized as the primary contributor of FOG waste.

As part of the City’s FOG Control Program, the City Division of Public Works took over control of the Food Establishment Waste Discharge (FEWD) Program from the City Health Department in 1997. The existing Sewer Use Ordinance at that time gave authority to Codes to require all new food establishments to install grease traps, or grease removal equipment (GRE). This transfer of responsibility allowed the City to

take a proactive role and approach to the requirements of the FEWD applicants and to the overall inspection program of these facilities.

The City adopted into its Code of Ordinances a grease control program, outlined in the Sewer Use Ordinance in Section 33-112 which allows the City to permit, regulate, fine and control the FEWD program. Chapter 33-112: Food Establishment Wastewater is included in *Appendix A*.

Since the program's inception, approximately 3,200 food establishments have been fitted with grease traps, or grease removal equipment (GRE), either retroactively or as new establishments. The number of SSOs has been reduced 67 percent. The existing FEWD Program is presented more thoroughly in Section 3.

In May 2004, the City submitted a Grease Management, Operation, and Maintenance Plan (GMOM) to the Tennessee Department of Environment and Conservation (TDEC) outlining the further development of a FOG control program. TDEC approved the GMOM program in a letter dated October 31, 2005.

Since the October 2005 approval of the GMOM by TDEC, the City has continually made improvements in the control of FOG in the collection system. This FOG plan supersedes prior submissions and outlines the existing programs and protocol for public education, permitting, inspection, and issuance of civil penalties, as well as further expansion and improvements of the FOG program.

# Section 2

## FOG Program Management

### 2.1 FOG Program Department

#### 2.1.1 Organization

The Public Works Division is responsible for the implementation of the City wide Fats, Oils, and Grease (FOG) Program. Specifically, the Wastewater Collection Division Systems oversees the program implementation by the Environmental Engineer and staff responsible for its implementation. An organization chart illustrating the current overall organization is included in Figure 2-1.

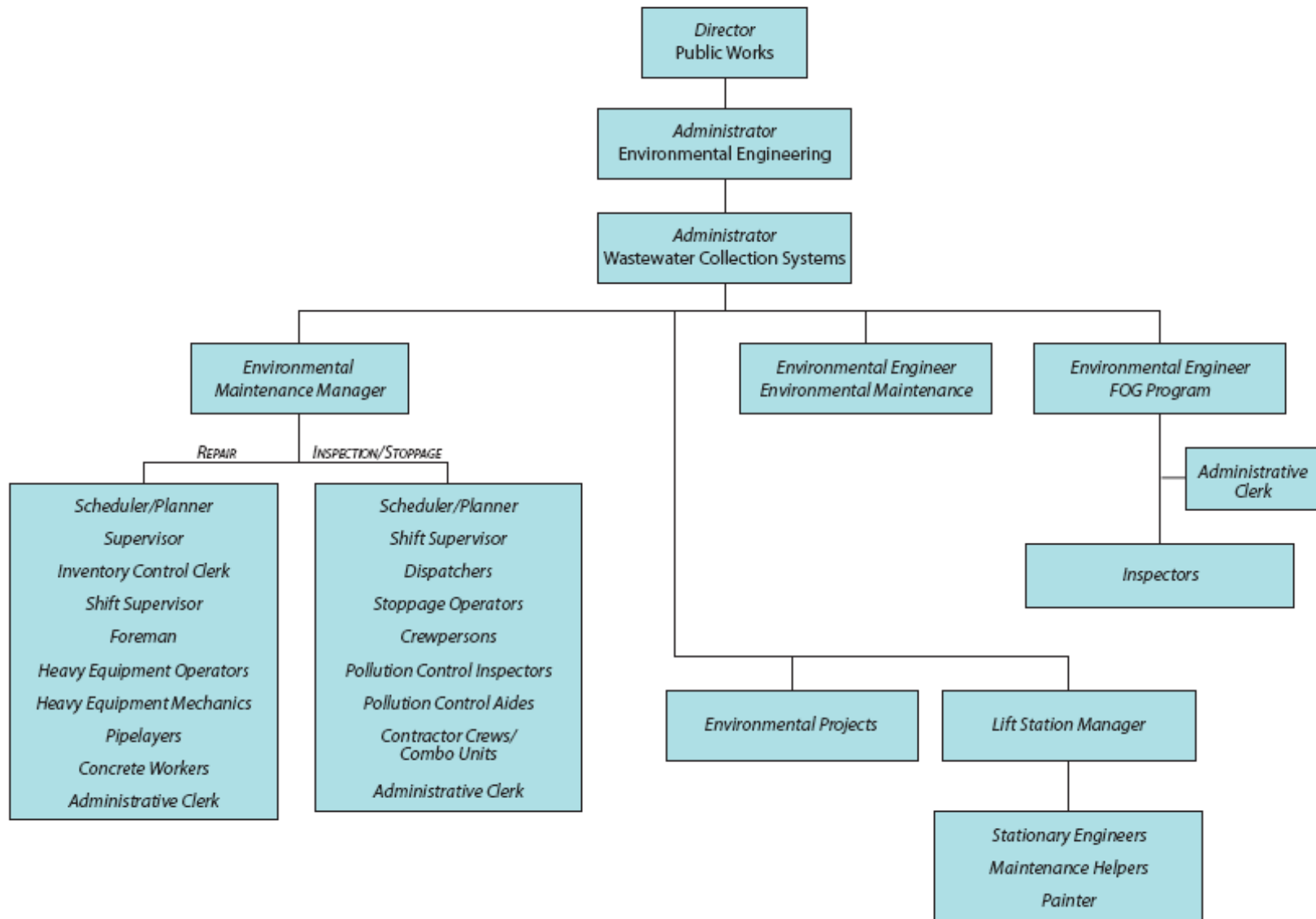
Subsequent to the submission of the FOG program, the City hired personnel for the Environmental Engineering FOG Program to include the full complement including an Environmental Engineer, four Inspectors and one clerk. Due to the resignation of one inspector, that position is currently posted and slated to be filled in December 2013. Other needs (*e.g.*, inspection of restaurants) have been supplemented by field support by the Environmental Engineer. In addition, Code Enforcement undertaking restaurant inspections and the Stormwater Program addressing, among other things, potential illicit dischargers, alert the FOG program to problematic situations. The Environmental Engineer, who reports to the Administrator of Wastewater Collection Systems, is responsible for overseeing the inspection schedule, issuing permits, and maintaining data and records. The Administrative Clerk performs typical administrative duties including managing records and filing permits, inspection schedules, and forms. The inspectors perform the grease removal equipment (GRE) inspections and meet with citizens and food establishments as required for educational and training purposes.

#### 2.1.2 Training

New inspectors shall be provided a manual containing FOG inspection forms (including instructions), SOPs and examples of properly completed inspection checklists. Staff shall provide one-on-one training to the employee to ensure competence. The inspector will be provided a variety of reference resources as an introduction to the FOG program. Emphasis will be placed on the fundamentals of grease management and its relation to the wastewater collection system. On the job training will be provided to familiarize the employee with inspection techniques, administrative review procedures, customer relations, grease removal equipment, variety of FEWD establishments and enforcement protocol.

Conferences and seminars will be utilized as appropriate to keep employees abreast of up to date technology and FOG management trends.

Figure 2-1  
 CITY OF MEMPHIS  
 PUBLIC WORKS ORGANIZATIONAL CHART



### **2.1.3 Communications**

In order for the FOG Program to work effectively throughout the Public Works Division, communication between members of the Wastewater Collection Systems

Department is vital to its overall success. In order to achieve this level of communications, the FOG manager attends SSO meetings held within the Environmental Maintenance Department, and in fact, relocated its staff and office space to the Environmental Maintenance facility to allow for better coordination and communication of duties and work. The attendance at SSO review meetings allows for better coordination of the recently occurred SSOs and the prioritization of food establishment inspections within the City service area. In addition, as indicated Environmental Maintenance staff may assist FOG staff as needed with inspections and public education efforts. Based on this need, cross-training and education programs occur between multiple Departments within the Public Works Division.

The FOG program works in conjunction with the Memphis and Shelby County Department of Construction Code Enforcement (Codes) to issue permits, as discussed more in Section 3. These two departments have periodic meetings to discuss GRE and related permitting issues.

## **2.2 Data Records**

### **2.2.1 FOG documents**

The FOG program uses multiple documents to record information from their inspections. These documents include permits, records, and forms as discussed in the following sections. Food establishments maintain their own inspections records, GRE maintenance, and permits. The City maintains all paperwork for food establishments and hauled waste to the Stiles WWTP.

### **2.2.2 GIS**

Although the City does not maintain a comprehensive sewer mapping system on a Geographic Information System (GIS) platform, the City keeps records of each SSO in a GIS database to spatially evaluate the location of an SSO. Currently, the City has data from the year 2005 to the present, which includes the following:

- Date
- Time
- Volume
- Cause of the SSO
- Call number and dispatch number
- Complaint issued, if called in

Every restaurant in the city is also maintained in a GIS database. This data aids the Food Establishment program described in Section 3. Figure 2-2 shows the GIS data utilized by the FOG program. This GIS database is maintained by the Environmental Engineering Manager and is kept up-to-date as new facilities are permitted. This information is used to better coordinate the inspection of grease facilities due to prioritization based on SSO activity.

## 2.3 Related Documents

As indicated in the Public Works Division organization chart (Figure 2-1), the FOG Program is closely interrelated and aligned to other programs within the Wastewater Collection Systems Department. The following list shows some of the “cross-over” documents related to the FOG program.

**City of Memphis Sewer Use Ordinance.** As mentioned in other Sections of this document, the Sewer Use Ordinance is part of The City of Memphis’ Code of Ordinances. Section 33-112 outlines the requirements of Food Establishments.

**SORP.** The Sewer Overflow Response Plan describes the protocol in the event of a SSO. If the SSO is caused by grease, the public notification protocol overlaps with the FOG public education program.

**Standard Operating Procedure for the Collection System.** The City’s Wastewater Collection Systems Department - Environmental Maintenance Bureau implements standard operating procedures (SOPs) for sewer cleaning . Reactive and preventative maintenance cleaning helps prevent SSOs as the result of FOG.

## 2.4 Quarterly Reports

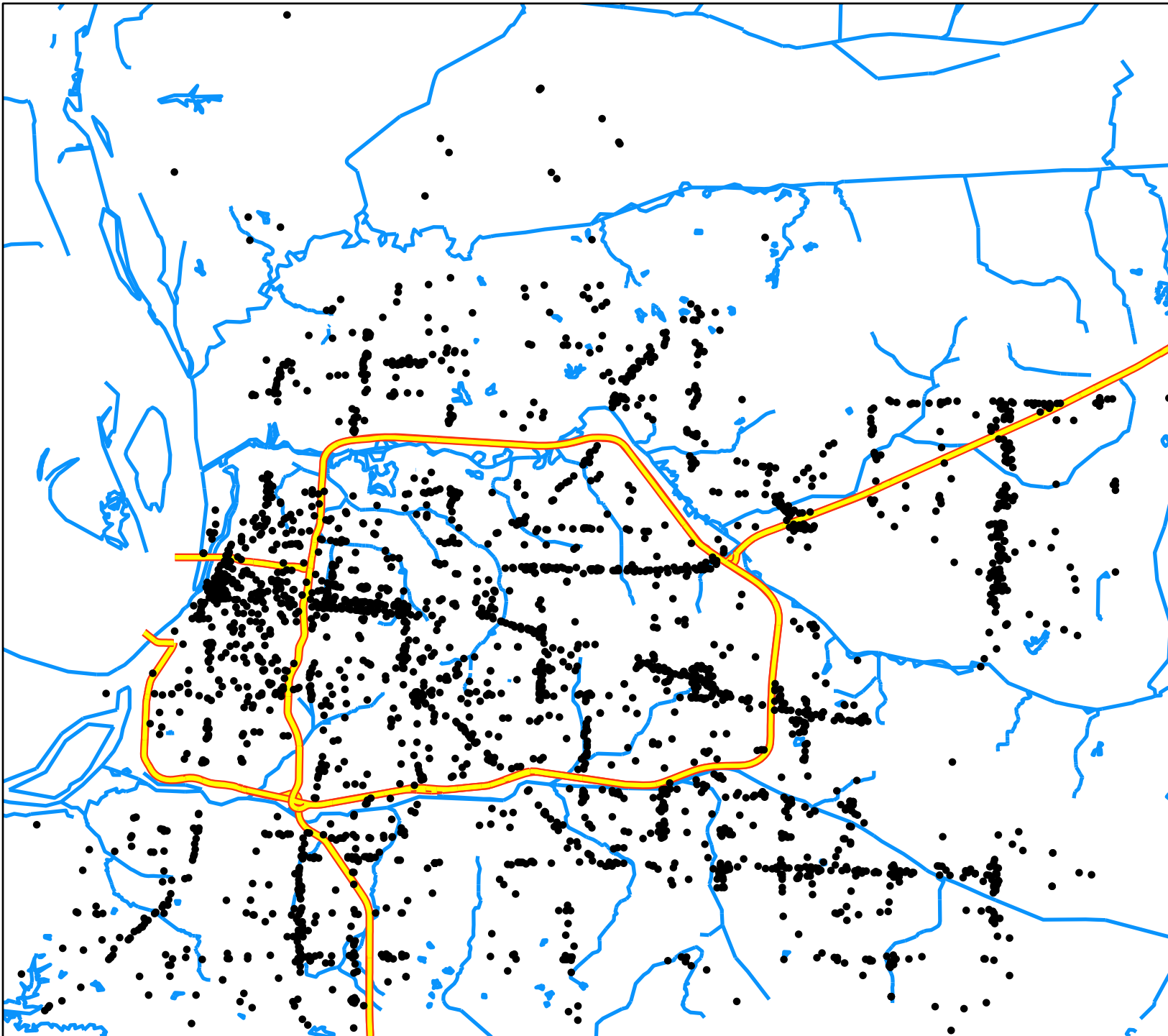
The City submits a quarterly report to the TDEC detailing the updated FEWD program and data about inspections performed for the current quarter. An example of a quarterly report is included in *Appendix B*.

In order to ascertain the effectiveness of the FOG program, performance measures have been established for multiple phases of the overall program. The following are determined and reported in the quarterly report to assess the overall program:

- Number of Notice of Violations (NOV) per year and per 100 total food establishments (see Section 3)
- Number of FOG and “Can the Grease” door hangers distributed (see Section 4)
- Number of can lids distributed as part of the “Can the Grease” program (see Section 4)
- Number of food establishment (GRE) inspections (see Section 3)



- Number of follow-up inspections (see Section 3)
- Number of grease related SSOs



**Legend**

- Restaurants
- Interstate
- Streams

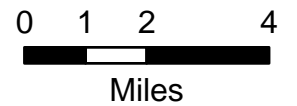


Figure 2-2:  
GIS data

## Section 3

# Food Establishments

As one of the largest identified contributors of grease to the sewer system, food establishments are required to have a Food Establishment Wastewater Discharge (FEWD) permit and to comply with the program as outlined in this section.

### 3.1 Food Establishment Permits

Chapter 33-112 of the City's Ordinances (*Appendix A*) outlines the requirements of a FEWD.

#### 3.1.1 Permit Acquisition

The Environmental Engineer, who manages the FOG program, works in conjunction with the Memphis and Shelby County Department of Construction Code Enforcement (Codes) when permitting new food establishments. Figure 3-1 highlights a flowchart demonstrating the process of a new food establishment in obtaining a permit from the City of Memphis.

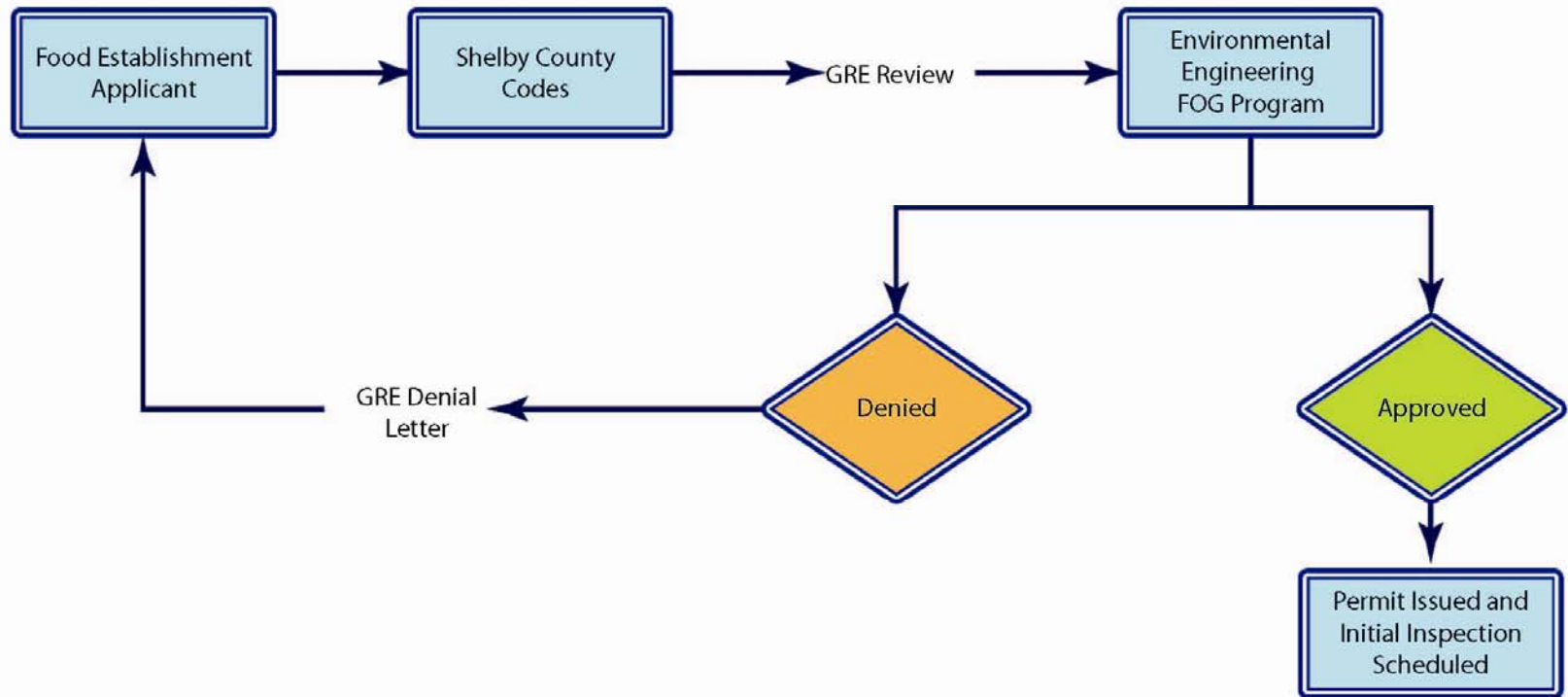
To receive a permit, a new food establishment applicant must first apply to Codes, who then refers the applicant to the FOG program. The Engineer will process, review, and evaluate the GRE for its adequacy based on specifications, size requirement, sewer capacity, and other required factors. *Appendix C* includes a copy of the application form.

Once the GRE is approved ("green sticker"), the applicant receives a discharge permit, and the initial GRE inspection is scheduled. An example of the Food Establishment Wastewater Discharge Program Permit is included in *Appendix D*. If the GRE is denied ("red sticker"), the deficiency is discussed with the applicant who then must correct the proposed GRE application and submit again through Codes for approval.

#### 3.1.2 GRE design

Standard GRE designs approved by both Engineer and Codes are available to the applicant for reference. In general, these designs will be approved, provided the size of the GRE has been selected in accordance with the size of the food establishment. New technologies or nonstandard GRE may be evaluated on a case-by-case basis.

Standard design criteria for GRE is included in Section 33-112-01, A of the City of Memphis Sewer Use Ordinance, which states that the GRE tank must be 15 gallons per seat of dining capacity, with a minimum of 750 gallons and maximum of 3000 gallons. Multiple tanks may be used as needed at each establishment.



**Figure 3-1: GRE Application Process**

### 3.1.3 Permit Requirements

A food establishment with a permitted Wastewater Discharge must comply with the following:

FEWD permit must be kept on file at the local establishment for review by Inspector

GRE Maintenance log and records must be kept on-site for a period of 2 years (an example maintenance log is included in *Appendix E*).

Minimum cleaning frequency of the GRE must be followed by the establishment owner as stated on the permit and must be available for review by inspectors

Food establishments are also responsible for educating employees and training them on the proper disposal of FOG. Restaurants receiving reissued permits will be required, to the extent allowed by law, to maintain documentation of training on site for review during routine FOG inspections.

## 3.2 GRE Inspection

There are two categories of GRE inspections at food establishments:

- 1) Periodic scheduled inspection (e.g. annual)
- 2) Follow-up inspection due to a violation

Regularly scheduled inspections occur for each permitted establishment. If the food establishment passes this initial inspection, the next regularly scheduled inspection will usually occur approximately a year later. As deemed necessary, the FOG Program staff also conducts investigative inspections, non-scheduled (“surprise”) inspections, and inspections of establishments located in areas with frequent SSOs resulting from FOG or that have recurring violations.

The GRE Inspectors have a checklist for guidance regarding any undefined issues with the GRE. An example of the Inspection Checklist/Notice of Violation form is included in *Appendix F*.

Potential causes of inspection failures include, but are not limited to, the following:

Permit unavailable on-site

Maintenance log unavailable or incomplete

Food Establishment Sold, Transferred, or Re-assigned

Inspector denied reasonable access

Violation of location specific permit conditions.

The standard operating procedure (SOP) for GRE inspection is as follows.

### **3.2.1 Inspection Procedure**

Inspectors verify that the food establishment has the required documentation to verify compliance with the following permit requirements:

1. The FEWD permit must be maintained at the FEWD and available for review by the inspector.
2. The GRE maintenance log and manifest records must be maintained at the FEWD for a period of two years and readily available for review by the inspector.
3. The records should verify cleaning frequency of the GRE complies with the cleaning requirements stipulated in the FEWD permit.

A visual and physical inspection of the GRE will be conducted to determine if compliance with applicable operating standards. Failure to comply with permit requirements may result in enforcement action.

### **3.2.2 Notice of Violation (NOV)**

Unless good cause exists, a first NOV or citation (*Appendix G*) will be issued for failure to comply with the FEWD permit requiring corrective action within seven calendar days of issuance of the NOV. A follow up inspection will be conducted to determine if noted violations have been adequately corrected. An inspection form will be completed for each inspection documenting findings.

### **3.2.3 Civil Penalty**

FEWDs issued a second NOV within a 24 month period may be assessed a civil penalty. A follow up inspection will be conducted to verify compliance. Failure to comply may result in revocation of the FEWD permit as well as further enforcement action.

## **3.3 Hauled Waste**

Upon receipt of a permit to discharge wastewater, a food establishment is provided with a list of the City of Memphis' Permitted Waste Haulers. An example of the list is included in *Appendix H*, but is subject to change. Each of these waste haulers have been approved and permitted by the City of Memphis Public Works Department to haul waste from septic tanks, car wash traps, and portable toilets, as well as GRE waste. The City of Memphis charges the waste haulers per gallon of waste. An example of the permit for waste haulers is included in *Appendix I*, but is subject to change.

It is the responsibility of the food establishment to contract with one of the permitted waste haulers and to maintain the proper GRE cleaning frequency. A Liquid Waste

Hauler Manifest form must be completed each time the GRE is pumped. The manifest must be completed and signed by the food establishment, waste hauler, and the City wastewater plant representative authorizing the disposal by the hauler. A copy of the manifest must be retained by each party. Manifest records are kept by the Industrial Monitoring Department for three years and are accessible by the FOG program. In addition, a daily log is kept at the wastewater plant of all waste haulers authorized for a truck disposal. A copy of the manifest is included in *Appendix J* and the waste log in *Appendix K*.

In light of the fact that there is a market in Memphis for oil and grease (e.g., to be converted into biofuels), there is a financial incentive for oil and grease to be trucked to the recipient facility rather than illegally discharged into a manhole. Nevertheless, the City implements a cradle to grave type of program where it receives a manifest for FEWD grease disposed off site.

## **Section 4**

### **Public Education**

Other than food establishments, private residents are another large contributor to FOG in the City sewer system. The most effective way to reach private residents is through public education, and this section outlines the programs used.

The intent of public education on FOG is to discourage residents from discarding cooking oils and other FOG in the sewer system. The public is informed that FOG will collect and clog up the sewer pipes, possibly contributing to a future SSO.

#### **4.1 Apartment Complexes**

Residential apartment complexes can be pinpointed as contributing a large portion of FOG. The inspectors and other FOG program staff talk with complex managers and encourage them to educate their residences on the effects of FOG in sewer systems.

The City has met with owners and/or managers of apartment complexes to discuss measures to reduce the discharge of grease. Flyers, as well as grease lids, have been provided for the use of tenants. These efforts have been concentrated in areas where overflows have occurred.

#### **4.2 Can the Grease**

Memphis' "Can the Grease" program consists of proactive and retroactive components. Unless good cause exists (e.g. door hangers were recently distributed in the same area) following a SSO event, door hangers will be distributed to residents in proximity of the SSO. The door hangers inform the resident that a recent SSO occurred as a result of FOG in the sewer, and asks the resident to help prevent future SSOs. Attached to the door hanger is a lid designed to fit several sizes of food cans. Instructions inform the user to collect cooking oils or other grease in an empty food can and seal it with the reusable lid. The grease may be hardened in the freezer, then the lid removed and the can discarded. Examples of the door hanger, which is printed in English and Spanish, and can lid are included in *Appendix L*.

The proactive measure of the "Can the Grease" program is the distribution of the lids independently from a SSO. The lids are distributed at public events and festivals.



### **4.3 Grease Collection Tote**

The City has placed a tote at the Shelby County Household Hazardous Waste Center for collection of residential/cooking grease to be dropped off by the public. This tote has a volume of 175 gallons and is emptied by an outside contractor. The tote is measured for volume collected each time it is emptied and recorded for tracking. From approximately September 2011 to September 2013 the facility has collected approximately 500 gallons of grease.

### **4.4 Other Programs**

Memphis distributes the “Fat-Free Sewers” brochures in English and Spanish at multiple local public events. An example of each of these brochures is included in *Appendix M*.

The City has put up two large billboards and signs at several bus stops about FOG issues that are routinely rotated through various locations in the City. In addition, the FOG program has historically advertised both individually and jointly with the City of Memphis NPDES stormwater program to further the message related to residential dumping of FOG products.

Press releases are distributed to area radio stations, television stations, and newspapers for advertising and print. The press release defines FOG and gives tips to residents on how to prevent FOG from entering the sewer system. An example of a press release from December 2009 and list of recipients is included in *Appendix N*.

All of the public information distributed has the FOG program phone number to allow residents and businesses to call for any additional questions or information. In addition to these opportunities, the manager of the FOG program is urged to continually look for new methods of public education. The programs used for public education will be reviewed for the annual update to the FOG Plan. Confirmation of these programs, and the dates public education events occur, will be documented in the Annual Report.

# Definitions and Acronyms

City	City of Memphis
CMOM	Capacity, Management, Operation and Maintenance
Codes	Memphis and Shelby County Department of Construction Codes
FEWD	Food Establishment Wastewater Discharge
FOG	Fats, Oils, and Grease
GMOM	Grease Management, Operation and Maintenance
GRE	Grease removal equipment
MLGW	Memphis Light, Gas, and Water
NOV	Notice of Violation
SORP	Sewer Overflow Response Plan
SSO	Sanitary Sewer Overflow
SUO	Sewer Use Ordinance
TDEC	Tennessee Department of Environment and Conservation
WWTP	Wastewater Treatment Plant

**Appendix A**  
**Memphis City Codes Chapter 33-112: Food**  
**Establishment Wastewater**

**a) Violations and Enforcement Actions.**

A violation of any of the foregoing shall result in enforcement actions which may include administrative fines, withdrawal of the privilege to use the City of Memphis wastewater system, and suspension of the existing waste hauler permit and/or prohibition from obtaining a new waste hauler permit.

Any person who willfully and negligently violates permit conditions shall be subject to criminal penalties imposed by the State of Tennessee and/or the United States.

**b) Specific Charge for Hauled Waste Transported for Disposal at the Discharge Point Designated by the City of Memphis.**

The disposal fee charge for hauled wastewater originated from residential household septic tanks, restaurant grease traps, drive through car washes, portable toilets, and industrial wastewater and sludges generated in the City of Memphis sewer service area shall be a flat rate based upon the volume of the truck (tank capacity). All customers will be charged on a volumetric charge based on rate in cents per gallon of wastewater multiplied by the capacity in gallons of the truck hauling the wastewater. The rate will be reviewed and adjusted if necessary annually by the Division of Public Works. The disposal fee will be determined on a case-by-case basis for industrial wastewaters and sludges from outside the City of Memphis sewer service area.

**Sec. 33-112. Food Establishment Wastewater.**

**33-112-01. Waste Disposal – Construction Plans Approval and Permit Required.**

A. Grease Trap Required: All food service establishments discharging wastewater to the City's wastewater facilities shall install, operate, and maintain a sufficiently sized oil and grease, water and solids separator (hereinafter called grease trap) necessary to prevent the accumulation of oil and grease in the sewer collection system. Approval of the City of Memphis, Division of Public Works, shall be required during the construction plans approval process.

B. Design Criteria: All grease traps used in conjunction with food service establishments shall have the capacity of 15 gallons per seat of dining capacity, except that no single grease trap shall be smaller than 750 gallons or larger than 3,000 gallons. In certain cases, multiple grease traps may be utilized. Alternative treatment technologies shall be considered on a case-by-case basis for food establishments that are to be located in an existing building where a large grease trap is not feasible.

C. General Permit to Discharge: All food establishments shall obtain a permit to discharge to the wastewater system from the Approving Authority. This permit shall be posted on the premises and renewed as needed.

**33-112-02. Subject to Industrial Wastewater Limitations.**

Wastewater discharged into public sewers from facilities engaged in preparing food for consumption by the public shall be subject to the limitations set forth in Sections 33-103 and 104 of this ordinance and such other conditions and requirements as are set forth in Section 33-112-03. The Permit for Food Establishment Wastewater Discharge shall be subject to all provisions of this ordinance and all other regulations, user charges, and fees established from time to time by resolution of the Council of the City of Memphis.

**33-112-03. Permit for Food Establishment Wastewater Discharge.**

The Permit for Food Establishment Wastewater Discharge may require pretreatment of wastewater before discharge, restriction of peak flow discharges, discharge of certain wastewater only to specified sewers of the City, relocation of point of discharge, prohibition of discharge of certain wastewater components, restriction of discharge to certain hours of the day, payment of additional charges to defray increased costs of the City created by the wastewater discharge, and such other conditions as may be required.

**33-112-04. Permit Application.**

Persons seeking a Food Establishment Wastewater Discharge Permit shall complete and file with the Approving Authority, an application in the form prescribed by the Approving Authority. The applicant may be required to submit, in units and terms appropriate for evaluation, the following information:

Name and address of applicant.

Volume of wastewater to be discharged.

Time of daily food preparation operations.

Description of food preparation, dining room capacity by seats, number of employees, and size of kitchen.

Any other information as may be deemed by the Approving Authority to be necessary to evaluate the permit application.

The Approving Authority will evaluate the data furnished by the applicant and may require additional information. After evaluation and acceptance of the data furnished, an on-site inspection of the waste discharge system, treatment systems or other systems relating to the waste discharge may be required. The Approving Authority may then issue a Food Establishment Wastewater Discharge Permit subject to the terms and conditions provided herein.

**33-112-05. Duration of Permits.**

Permits shall be issued for a specified time period, not to exceed five (5) years. A permit may be issued for a period less than a year or may be stated to expire on a specific date. If the permittee is not notified by the City thirty (30) days prior to the expiration of the permit, the permit shall be extended one additional year. The terms and conditions of the permit may be subject to modification and change by the City during the life of the permit as limitations or requirements as identified in Sections 33-103 and 104 are modified and changed. The permittee shall be informed of any proposed changes in his permit at least thirty (30) days prior to the effective date of change. Any changes or new conditions in the permit shall include a reasonable time schedule for compliance.

**33-112-06. Transfer of Permit.**

Food Establishment Wastewater Discharge Permits shall be issued only for specific use for a specific operation. Any sale, lease, transfer, or assignment of the premises or operation for which the permit was issued shall require a new permit to be issued. Any new or changed conditions of operation shall require a new permit to be issued.

**33-112-07. Revocation of Food Establishment Wastewater Permit.**

The Approving Authority may revoke the permit of any permittee who is found to be in violation of this ordinance or who:

- Fails to install grease pretreatment devices as required by permit;
- Fails to fulfill reporting requirements or pretreatment maintenance as required by permit;
- Refuses reasonable access to the permittee's premise for the purpose of inspection or monitoring; or
- Violates conditions of the permit.

**33-112-08. Grease Pretreatment Required.**

Permittee shall make wastewater acceptable under the limitations established herein before discharging to any public sewer. All permittees shall be required to install an approved type grease pretreatment device in the waste line leading from the food preparation area, or from sinks, drains, appliances, and other fixtures or equipment used in food preparation or cleanup where grease may be introduced into the sewerage system. Such grease pretreatment devices shall be installed to remove grease from wastewater and shall be maintained in efficient operating conditions by periodic removal of the accumulated grease. No such collected grease shall be introduced into any drainage piping or public sewer.

Each permittee shall also be required to provide a collection drum or container for the purpose of physically segregating oils, greases, and greasy solids. Permittees shall

establish procedures for personnel to practice maximum segregation of oils, greases, and greasy solids to the collection drum or container prior to washing and other water cleaning, which goes into sewers. The permittee shall be responsible for the proper removal and disposal by appropriate means of the material captured from either grease pretreatment devices on wastewater lines or the collection drum for segregating oils, grease, and greasy solids.

**33-112-09. Maintenance Reports.**

The Approving Authority shall require the permittee to keep records of grease pretreatment device cleaning, maintenance and grease removal on site. The Approving Authority may require the permittee to provide results of periodic measurements of its discharge, which is to include chemical analysis of oil and grease content. Permittees shall allow the City or its representative ready access at all reasonable times to all parts of the premises for purposes of sampling and inspections.

**33-112-10. Penalty for Violation and Civil Liability.**

Any person(s) discharging wastewater in violation of the Food Establishment Wastewater Discharge Permit is subject to fines, penalties, cost recovery, injunction, termination of sewer service, permit revocation, and/or such other remedies as are available to the Approving Authority under section 33-173 of the Sewer Use Ordinance.

Sec. 33-113—33-125 Reserved

**Appendix B**  
**Quarterly Report**



# City of Memphis



TENNESSEE

A C WHARTON, JR. - Mayor  
GEORGE M. LITTLE - Chief Administrative Officer  
**DIVISION OF PUBLIC WORKS**  
DWAN L. GILLIOM - Director  
Environmental Maintenance

October 1, 2013

Mr. Phillip M. Simmons, P.E.  
State of Tennessee, Department of Environment and Conservation  
Division of Water Pollution Control  
Municipal Facilities Section  
401 Church Street  
L&C Annex, Sixth Floor  
Nashville, TN 37243-1534

RE: State Requirement #16 – Reporting Requirement for CMOM, Third Quarter 2013

Mr. Simmons:

In compliance with the reporting requirements set forth by the State of Tennessee, the following summary is submitted. This summarizes the activities of the City of Memphis Food Establishment Wastewater Discharge Program for the period of July 1, 2013 through September 30, 2013. Any facility listed twice has multiple grease traps.

At the conclusion of this reporting period there were 3447 total food establishments in our database. A total of 429 of these were closed (out of business), leaving 3018 active food establishments.

▪ Total Facility Inspections.....	836
▪ Total NOV's .....	52
▪ Total NOV's this year .....	143
▪ NOV's per 100 FE inspected.....	4.6%
▪ Total Citations issued.....	11
▪ Total Permits .....	72
▪ Follow-Up inspections .....	76
▪ SSO Hangers Distributed .....	0
▪ Total Active Facilities Permitted as of September 30, 2013.....	2838

Any questions may be directed to me at 901-636-4301.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Greenlee".

James Greenlee, PE  
Environmental Engineer

c. Paul Patterson  
Ron Powell  
Terry Templeton

# Third Quarter Report 2013 (July 1, 2013 through September 30, 2013)

## Recently Established Facilities (New Facilities)

<b>Date Approved</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>GRE</b>
7 /1 /2013	Pyro's Park Place	1199 Ridgeway Rd.	38119	57 - C	125 Gallons
7 /10/2013	Mapco Express	2214 Whitten Rd.	38133	26 - B	100 Pound
7 /10/2013	Mapco Express	3530 Summer Ave.	38122	33 - E	40 Pound
7 /10/2013	Nike Corporation	3100 Frayser Blvd.	38128	9 - H	3000 Gallons
7 /10/2013	Shark's Fish and Chicken	3659 Hickory Hill Rd.	38115	77 - G	200 Gallons
7 /10/2013	Zoe Child Care	4095 American Way	38118	66 - C	100 Pound
7 /12/2013	Earnestine & Hazel's	531 S. Main St.	38103	34 - M	74 Pound
7 /12/2013	Earnestine & Hazel's	531 S. Main St.	38103	34 - M	74 Pound
7 /12/2013	Fish Market	600 S. Parkway	38106	42 - K	100 Pound
7 /12/2013	Fish Market	600 S. Parkway	38106	42 - K	100 Pound
7 /12/2013	Paulette's	50 Harbor Town Blvd.	38103	27 - D	30 Pound
7 /12/2013	Paulette's	50 Harbor Town Blvd.	38103	27 - D	750 Gallons
7 /16/2013	Cash & Karry	4315 S. Third St.	38109	80 - A	100 Pound
7 /16/2013	Oasis Lounge	815 Exocet Dr.	38018	139 - P	100 Pound
7 /29/2013	M & S Market	1599 Orleans Rd.	38106	42 - K	70 Pound
8 /9 /2013	Pita Pit	2105 Union Ave.	38104	36 - H	100 Pound
8 /12/2013	Sally's Grocery	3118 Chelsea Ave.	38108	22 - M	70 Pound
8 /13/2013	4 Dumplings	6515 Poplar Ave.	38119	58 - A	70 Pound

<b>Date Approved</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>GRE</b>
8 /13/2013	Poundcakes, LLC	6880 Hillshire Dr.	38133	26 - C	70 Pound
8 /19/2013	Q Mart	610 E. Holmes Rd.	38109	90 - A	750 Gallons
8 /19/2013	Q Mart	1651 Getwell Rd.	38111	55- L	750 Gallons
8 /19/2013	Q Mart	2711 Range Line Rd.	38128	9 - F	750 Gallons
8 /19/2013	Q Mart	2515 Covington Pike	38128	17 - L	750 Gallons
8 /19/2013	Q Mart	2205 E. Shelby Dr.	38116	82 - M	750 Gallons
8 /20/2013	Menchie's Frozen Yogurt	7706 Winchester Rd.	38125	150 - F	70 Pound
8 /20/2013	Skewer	5101 Sanderlin Rd.	38117	15 - F	70 Pound
8 /26/2013	Einstein Bros. Bagels	4631 Poplar Ave.	38117	46 - E	100 Pound
8 /26/2013	Perkins Market Place	2889 S. Perkins Rd.	38118	67 - F	750 Gallons
8 /28/2013	The Live Garden at Memphis	750 Cherry Rd.	38117	45 - H	750 Gallons
9 /10/2013	Cajun Restaurant	3119 Highway 61	38109	71 - L	200 Gallons
9 /10/2013	Casablanca	2685 S. Perkins Rd.	38118	67 - F	10 Pound
9 /10/2013	Casablanca	2250 Central Ave.	38104	37 - N	99
9 /10/2013	Convenience Store	2771 Park Ave.	38114	44 - K	10 Pound
9 /12/2013	Smile Donut	1990 Poplar Ave.	38104	36 - C	100 Pound
9 /12/2013	Supply Chain Solutions LLC	2300 Sitter St.	38114	53 - O	70 Pound
9 /13/2013	Broadway Pizza	627 S. Mendenhall Rd.	38117	46 - G	250 Gallons
9 /17/2013	Memphis Wings & Grill	1472 Florida St.	38109	41 - L	100 Pound
9 /18/2013	Casablanca	4672 American Way	38118	67 - B	750 Gallons
9 /19/2013	Café Cali	74 N. Cleveland St.	38104	36 - A	100 Pound
9 /19/2013	Slice of Heaven Bakery	4287 Summer Ave.	38122	32 - N	100 Pound
9 /23/2013	Tops BBQ	5144 Poplar Ave.	38117	46 - M	1000 Gallons

<b>Date Approved</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>GRE</b>
9 /26/2013	Tart	820 S. Cooper St.	38104	36 - R	100 Pound
9 /27/2013	Memphis Olive Oil Co.	4615 Poplar Ave.	38117	46 - E	70 Pound

# Third Quarter Report 2013 (July 1, 2013 through September 30, 2013)

## Food Establishment Wastewater Discharge Permits Issued / Renewed

<b>Date Issued</b>	<b>Facility Name</b>	<b>Data Expires</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>
7 / 1 /2013	Best Wings of Mem	6 /30/2018	951 Getwell Rd.	38111	45 - L
7 / 1 /2013	MarksGrill FoodTru	6 /30/2018	5310 Crestview Dr.	38134	24 - R
7 / 1 /2013	Southwind Café	6 /30/2018	8275 Tournament Dr.	38125	150 - D
7 / 3 /2013	Cheddars Casual	7 /2 /2018	2147 Germantown Pkwy. N.	38016	134 - R
7 / 3 /2013	Compass Interventi	7 /2 /2013	7900 Lowrance Rd.	38125	153 - C
7 / 3 /2013	Cornerstone Institu	7 /2 /2018	7288 Shelby Dr.	38125	152 - M
7 / 9 /2013	Marciano	7 /8 /2018	780 Brookhaven Cir.	38117	46 - M
7 /10/2013	Table 613	7 /9 /2018	5101 Sanderlin Rd.	38117	46 - G
7 /10/2013	Windjammer Resta	7 /9 /2018	786 Brookhaven Cir.	38117	46 - H
7 /11/2013	Foozi West	7 /10/2018	5050 Poplar Ave.	38117	46 - G
7 /12/2013	Broad Express	7 /11/2018	2980 Broad Ave.	38112	30 - P
7 /12/2013	Grizzly Mart	7 /11/2018	1094 National St.	38122	31 - A
7 /15/2013	St. Mary's Episcop	7 /14/2018	60 Perkins Rd. Ext.	38117	39 - J
7 /15/2013	Whole Foods	7 /14/2018	5022 Poplar Ave.	38117	46 - G
7 /17/2013	Cash & Karry	7 /16/2018	4315 S. Third St.	38109	80 - A

<b>Date Issued</b>	<b>Facility Name</b>	<b>Data Expires</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>
7 /17/2013	Memphis Jr. Acade	7 /16/2018	50 Mendenhall Rd. N.	38117	39 - L
7 /18/2013	Poplar Per'k'n	7 /17/2018	4610 Poplar Ave.	38117	46 - E
7 /19/2013	Murphy's Fuel Stati	7 /18/2018	7705 Winchester Rd.	38125	150 - F
7 /19/2013	Smooth Moves Juic	7 /18/2018	5030 Poplar Ave.	38117	46 - G
7 /22/2013	Chick Fil-A	7 /21/2018	4465 Poplar Ave.	38117	46 - A
7 /22/2013	Starbucks	7 /21/2018	4545 Poplar Ave.	38117	46 - E
7 /26/2013	Eamestine & Hazel	7 /25/2018	531 S. Main St.	38103	34 - M
7 /26/2013	Taziki's Mediterran	7 /25/2018	540 Mendenhall Rd.	38117	46 - G
7 /31/2013	Boom Boom Room	7 /30/2018	1065 Thomas St.	38107	20 - O
8 /1 /2013	Cave's Soul Food	7 /31/2018	1689 Jackson Ave.	38107	23 - F
8 /1 /2013	Our Bar	8 /1 /2013	1345 Jackson Ave.	38107	29 - E
8 /1 /2013	Our Bar	7 /31/2018	1343 Jackson Ave.	38107	29 - E
8 /5 /2013	Cafe Eclectic	8 /4 /2018	603 N. McLean Blvd.	38107	29 - L
8 /5 /2013	Café Eclectic	8 /4 /2018	510 S. Highland St.	38111	45 - A
8 /5 /2013	Café Eclectic	8 /4 /2018	615 N. McLean Blvd.	38107	29 - G
8 /7 /2013	After Dark Sports B	8 /6 /2018	1249 Thomas St.	38107	20 - K
8 /7 /2013	Lin's Garden	8 /6 /2018	1420 Jackson Ave.	38107	29 - E
8 /8 /2013	Convenience For L	8 /7 /2018	263 Chelsea Ave.	38107	28 - B
8 /8 /2013	Soul - Lucions	8 /7 /2018	2926 Lamar Ave.	38114	54 - G

<b>Date Issued</b>	<b>Facility Name</b>	<b>Data Expires</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>
8 /9 /2013	Binghampton Deve	8 /8 /2018	274 Tillman St.	38112	37 - C
8 /9 /2013	Mike's Mini Mart	8 /8 /2018	1137 N. Thomas St.	38107	20 - O
8 /9 /2013	Muddy's Bake Sho	8 /8 /2018	2497 Broad Ave.	38112	30 - 0
8 /9 /2013	Perignonis R & L	8 /8 /2018	2818 Coleman Rd.	38128	17 - E
8 /12/2013	Dragon Gate	8 /11/2018	815 Exocet Dr.	38018	139 - P
8 /12/2013	Sally's Grocery	8 /11/2018	3118 Chelsea Ave.	38108	22 - M
8 /12/2013	Smoothie King	8 /11/2018	932 Germantown Pkwy.	38018	139 - P
8 /12/2013	Tokyo Japanese E	8 /11/2018	680 N. Germantown Pkwy.	38018	142 - C
8 /13/2013	The Grindz	8 /12/2018	8195 Dexter Rd.	38016	136 - P
8 /14/2013	Soul Lucious Fish	8 /13/2018	212 N. Fourth	38103	28 - J
8 /16/2013	Frost Bake Shop	8 /15/2018	394 S. Grove Park Rd.	38117	46 - A
8 /16/2013	Grizzly Mart	8 /15/2018	1192 Jackson Ave.	38107	29 - E
8 /16/2013	Ms Girlee's	8 /15/2018	629 Chelsea Ave.	38107	28 - C
8 /16/2013	Trinity CME Church	8 /15/2018	1096 Thomas St.	38107	20 - K
8 /21/2013	Kirby Discount	8 /20/2018	3295 Kirby Pkwy.	38115	146 - N
8 /23/2013	Buckman Boys & G	8 /22/2018	1100 Vollintine Ave.	38107	20 - R
8 /23/2013	Four Points	8 /22/2018	4090 Stansell Ct.	38125	153 - C
8 /23/2013	Friday Tuna Resta	8 /22/2018	750 Germantown Pkwy. N.	38018	142 - C
8 /23/2013	Holiday Inn Expres	8 /22/2018	4068 Stansell Ct.	38125	150 - P

<b>Date Issued</b>	<b>Facility Name</b>	<b>Data Expires</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>
8 /23/2013	Mug Shot's	8 /22/2018	8014 Club Center Dr.	38016	139 - C
8 /26/2013	Shark's Fish and C	8 /25/2018	3659 Hickory Hill Rd.	38115	77 - G
8 /27/2013	Overton Park Seve	8 /26/2018	1224 Chelsea Ave.	38107	25 - J
8 /30/2013	Firehouse BBQ Wi	8 /29/2018	3279 Kirby Pkwy.	38115	146 - N
8 /30/2013	Union Grove M.B.	8 /29/2013	905 Ayers St.	38107	20 - P
9 /6 /2013	Memphis Banquet	9 /5 /2018	912 Jackson Ave.	38107	28 - H
9 /11/2013	Krystal	9 /10/2018	7073 Winchester Rd.	38125	149 - G
9 /13/2013	Burger King	9 /12/2018	5305 Winchester Rd.	38115	76 - H
9 /13/2013	Kelvin's/Hibbles Ho	9 /12/2018	8050 Dexter Rd.	38016	136 - P
9 /16/2013	Wells Station Food	9 /15/2018	1470 Wells Station Rd.	38108	24 - N
9 /19/2013	Hickory Hill Comm	9 /18/2018	3910 Ridgeway Rd.	38115	77 - M
9 /19/2013	Sub Shop	9 /18/2018	3316 Summer Ave.	38122	31 - N
9 /24/2013	Mega Foods	9 /23/2018	3151 Mendenhall Rd.	38115	67 - M
9 /27/2013	Costco Wholesale	9 /26/2018	2431 Germantown Pkwy.	38016	134 - R
9 /27/2013	Franklin World of K	9 /26/2018	5750 Winchester Rd.	38115	77 - F
9 /27/2013	Quince Road Chur	9 /26/2018	6384 Quince Rd.	38119	57 - R
9 /27/2013	Rincon Catracho	9 /26/2018	1456 Wells Station Rd.	38108	24 - N
9 /27/2013	Simply Delicious	9 /26/2018	767 E. Brookhaven Cir.	38117	46 - M
9 /27/2013	Sonic Drive-In	9 /26/2018	4130 Kirby Pkwy.	38115	149 - N



# Third Quarter Report 2013 (July 1, 2013 through September 30, 2013 )

## Facilities in Violation and Corrective Actions Taken

Inspection Date	Facility Name	Address	Zip Code	Map Book	Enforcement Action
7 /3 /2013	Boneheads	535 Perkins Rd.	38117	46 - A	Violation
7 /5 /2013	Broad Express	2980 Broad Ave.	38112	30 - P	Citation/Fine
7 /5 /2013	McDonalds	3120 S. Third St.	38109	62 - L	Violation
7 /8 /2013	Cosmic Coconuts	5101 Sanderlin Rd.	38117	46 - G	Violation
7 /11/2013	Bosses (Bosses Chicken Wi	5030 Poplar Ave.	38117	46 - G	Citation/Fine
7 /11/2013	Smooth Moves Juice Bar	5030 Poplar Ave.	38117	46 - G	Citation/Fine
7 /12/2013	Blind Bear	119 S. Main St.	38103	34 - D	Violation
7 /12/2013	Boneheads	535 Perkins Rd.	38117	46 - A	Citation/Fine
7 /15/2013	Chelsea Express	2032 Chelsea Ave.	38108	21 - M	Violation
7 /15/2013	Taziki's Mediterranean Café	540 Mendenhall Rd.	38117	46 - G	Violation
7 /16/2013	Burger King	4810 Poplar Ave.	38117	46 - F	Violation
7 /16/2013	Schlotsky's Deli	4758 Poplar Ave.	38117	46 - F	Violation
7 /22/2013	China Master	4465 Poplar Ave.	38117	46 - A	Violation
7 /22/2013	Subway	4465 Poplar Ave.	38117	46 - A	Violation
7 /24/2013	MPC - Audubon Club House	4160 Park Ave.	38117	45 - M	Citation/Fine
7 /29/2013	All Star Lanes	1576 S. White Station Rd.	38117	56 - L	Violation

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>Enforcement Action</b>
7 /29/2013	Three Little Pigs BBQ	5145 Quince Rd.	38117	56 - M	Violation
7 /31/2013	El Toro Loco	2617 Poplar Ave.	38112	37 - G	Violation
7 /31/2013	Mike's Mini Mart	1137 N. Thomas St.	38107	20 - O	Violation
7 /31/2013	Williams Food Mart	1092 N. Manassas St.	38107	20 - L	Citation/Fine
8 /1 /2013	Alex's Tavern	1445 Jackson Ave.	38107	29 - F	Violation
8 /2 /2013	MPC - Audubon Club House	4160 Park Ave.	38117	45 - M	Violation
8 /6 /2013	BP - Northside Food Market	1414 Jackson Ave.	38107	29 - E	Violation
8 /6 /2013	Klondike Food & Deli	1214 Jackson Ave.	38107	29 - E	Violation
8 /7 /2013	Grizzly Mart	1192 Jackson Ave.	38107	29 - E	Violation
8 /7 /2013	Klondike Food & Deli	1214 Jackson Ave.	38107	29 - E	Violation
8 /7 /2013	Memphis Banquet Club	912 Jackson Ave.	38107	28 - H	Violation
8 /7 /2013	Ms Girlee's	629 Chelsea Ave.	38107	28 - C	Violation
8 /12/2013	Friday Tuna Restaurant	750 Germantown Pkwy. N.	38018	142 - C	Violation
8 /12/2013	Mug Shot's	8014 Club Center Dr.	38016	139 - C	Violation
8 /12/2013	Wing Stop	1605 Germantown Pkwy.	38016	136 - P	Violation
8 /13/2013	Mr. P's Buffalo Wings Plus	8195 Dexter Rd.	38016	136 - R	Citation/Fine
8 /15/2013	Bar of North Memphis	1312 N. Thomas St.	38107	20 - F	Citation/Fine
8 /15/2013	North Memphis Market	1590 Vollintine Ave.	38107	29 - B	Violation
8 /16/2013	Breedlove Grocery	810 Breedlove St.	38107	28 - D	Violation

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>Enforcement Action</b>
8 /16/2013	Buckman Boys & Girls Club	1100 Vollintine Ave.	38107	20 - R	Violation
8 /21/2013	Firehouse BBQ Wings	3279 Kirby Pkwy.	38115	146 - N	Violation
8 /21/2013	Lowenstein House	6590 Kirby Center Cv.	38115	149 - A	Violation
8 /21/2013	Subway	6744 Winchester Rd.	38115	149 - F	Violation
8 /22/2013	China Dragon	3588 Ridgeway Rd.	38115	77 - D	Violation
8 /26/2013	4 Kings Burgers and Wings	6661 Winchester Rd.	38115	149 - F	Violation
8 /26/2013	Lareal La Michoacana	6635 Winchester Rd.	38115	149 - F	Violation
8 /29/2013	Franklin World of Knowledg	5750 Winchester Rd.	38115	77 - F	Violation
8 /29/2013	Jr. Fish & Chicken	5860 Winchester Rd.	38115	77 - F	Violation
9 /9 /2013	Dragon China	1680 Madison Ave.	38104	36 - B	Violation
9 /9 /2013	James & Jack Catfish Shac	3706 Mendenhall Rd.	38115	76 - H	Violation
9 /9 /2013	Las Delicias Taqueria	3729 S. Mendenhall Rd.	38115	67 - R	Violation
9 /12/2013	King Buffet	3678 Ridgeway Rd.	38115	77 - H	Violation
9 /13/2013	4 Kings Burgers and Wings	6661 Winchester Rd.	38115	149 - F	Citation/Fine
9 /13/2013	Franklin World of Knowledg	5750 Winchester Rd.	38115	77 - F	Citation/Fine
9 /16/2013	Costco Wholesale Club	2431 Germantown Pkwy.	38016	134 - R	Violation
9 /16/2013	Rincon Catracho	1456 Wells Station Rd.	38108	24 - N	Violation
9 /18/2013	A Game Restaurant & Grill	6642 Winchester Rd.	38115	149 - F	Violation
9 /18/2013	Learn and Play Childcare	3874 Kirby Pkwy.	38115	149 - J	Violation

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>Enforcement Action</b>
9 /18/2013	Save on Gas & Tobacco	6444 Raines Rd.	38115	77 - R	Violation
9 /19/2013	Woodstock Express	5341 Hwy 51 N.	38127	118 - D	Citation/Fine
9 /24/2013	Crumpy's Hot Wings	3110 Mendenhall Rd.	38115	67 - M	Violation
9 /24/2013	Memphis Best Wings	3101 Mendenhall Rd.	38115	67 - M	Violation
9 /26/2013	Amigo Restaurant	3121 Mendenhall Rd. S.	38115	67 - M	Violation
9 /26/2013	Ellen Soul Food	634 Bellevue Blvd.	38104	35 - M	Violation
9 /30/2013	Asian Garden Restaurant	5992 Mt. Moriah Rd.	38115	68 - G	Violation
9 /30/2013	Fox Ridge Market #1	5963 Knight Arnold Rd.	38115	68 - P	Violation
9 /30/2013	Taquena Garibaldi's	5967 Knight Arnold Rd.	38115	68 - P	Violation

# Third Quarter Report 2013 (July 1, 2013 through September 30, 2013)

## Total Inspections Completed During Quarter

Inspection Date	Facility Name	Address	Zip Code	Map Book	GRE
7 / 1 /2013	Back Yard Burgers	1709 Whitten Rd.	38134	26 - O	200 Gallons
7 / 1 /2013	Best Wings of Memphis	951 Getwell Rd.	38111	45 - L	300 Gallons
7 / 1 /2013	Chuck E. Cheese	3649 Hickory Hill Rd.	38115	77 - G	75 Pound
7 / 1 /2013	Circle K	7195 Winchester Rd.	38125	149 - H	250 Gallons
7 / 1 /2013	D'Bo's	7050 Maico Crossing	38125	149 - G	500 Gallons
7 / 1 /2013	Derae Restaurant	923 Highland St.	38111	45 - J	20 Pound
7 / 1 /2013	International House of Pancakes	1661 Sycamore View Rd.	38134	25 - P	1000 Gallons
7 / 1 /2013	Krystal	7073 Winchester Rd.	38125	149 - G	300 Gallons
7 / 1 /2013	Lenny's Subs	3750 Hacks Cross Rd.	38125	150 - G	50 Pound
7 / 1 /2013	MarksGrill FoodTruck	5310 Crestview Dr.	38134	24 - R	75 Pound
7 / 1 /2013	Pyro's Park Place	1199 Ridgeway Rd.	38119	57 - C	125 Gallons
7 / 1 /2013	Southwind Café	8275 Tournament Dr.	38125	150 - D	60 Pound
7 / 1 /2013	Supreme Hot Wings	1674 Whitten Rd.	38134	26 - O	100 Pound
7 / 1 /2013	U of M - Richardson Towers	3603 Central Ave.	38111	38 - O	150 Gallons
7 / 2 /2013	Amoco - Split Second	4195 Hacks Cross Rd.	38125	150 - P	200 Gallons
7 / 2 /2013	Applying Manor Conf. Ctr.	1755 Applying Rd.	38016	136 - N	200 Gallons
7 / 2 /2013	Bellevue Baptist	2000 Appling Rd.	38016	136 - E	1000 Gallons
7 / 2 /2013	Best Wings of Memphis	3995 Elvis Presley Blvd.	38116	72 - L	2000 Gallons
7 / 2 /2013	Best Wings of Memphis	3995 Elvis Presley Blvd.	38116	72 - L	2000 Gallons
7 / 2 /2013	Captain D's	4209 Hacks Cross Rd.	38125	150 - P	750 Gallons
7 / 2 /2013	Chili's Bar & Grill	4609 Poplar Ave.	38117	46 - E	1200 Gallons
7 / 2 /2013	Cordova Estates	1535 Applying Care Ln.	38016	136 - N	800 Gallons

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>CRE</b>
7 / 2 / 2013	Dairy Queen	4265 Hacks Cross Rd.	38125	153 - C	1000 Gallons
7 / 2 / 2013	First Class	1725 Appling Rd.	38016	136 - N	500 Gallons
7 / 2 / 2013	Memphis Olive Oil Co.	4615 Poplar Ave.	38117	46 - E	70 Pound
7 / 2 / 2013	Mid America Baptist Theological Semin	2095 Appling Rd.	38016	136 - E	750 Gallons
7 / 2 / 2013	One & Only BBQ & More	567 S. Perkins Rd.	38117	46 - E	200 Gallons
7 / 2 / 2013	Popeyes	4201 Hacks Cross Rd.	38125	150 - P	1000 Gallons
7 / 2 / 2013	Shell *	4585 Poplar Ave.	38117	46 - A	0
7 / 2 / 2013	Smith & Nephew	7135 Goodlett Farms Rd.	38016	26 - M	1325 Gallons
7 / 2 / 2013	Steak & Shake	4199 Hacks Cross Rd.	38125	150 - P	1000 Gallons
7 / 2 / 2013	Subway	1658 Appling Rd.	38016	136 - N	50 Pound
7 / 2 / 2013	Wendy's	4605 Poplar Ave.	38117	46 - E	500 Gallons
7 / 3 / 2013	Abbey's Restaurant	2345 Germantown Pkwy.	38016	136 - D	1000 Gallons
7 / 3 / 2013	ACRE Restaurant	690 S. Perkins Rd.	38117	46 - E	1000 Gallons
7 / 3 / 2013	Boneheads	535 Perkins Rd.	38117	46 - A	70 Pound
7 / 3 / 2013	Cheddars Casual Café	2147 Germantown Pkwy. N.	38016	134 - R	3000 Gallons
7 / 3 / 2013	Chow Time	4207 Hacks Cross Rd.	38125	153 - C	1000 Gallons
7 / 3 / 2013	Chuck E. Cheese	3649 Hickory Hill Rd.	38115	77 - G	75 Pound
7 / 3 / 2013	Compass Intervention	7900 Lowrance Rd.	38125	153 - C	750 Gallons
7 / 3 / 2013	Cornerstone Institutional Baptist	7288 Shelby Dr.	38125	152 - M	500 Gallons
7 / 3 / 2013	Costco Wholesale Club	2431 Germantown Pkwy.	38016	134 - R	250 Gallons
7 / 3 / 2013	Costco Wholesale Club	2431 Germantown Pkwy.	38016	134 - R	750 Gallons
7 / 3 / 2013	Cracker Barrel	8000 Lowrance Rd.	38125	153 - B	1000 Gallons
7 / 3 / 2013	Dan McGuinness	4698 Spottswood Ave.	38117	46 - F	200 Gallons
7 / 3 / 2013	Exxon - Hop In	4491 Poplar Ave.	38117	46 - A	200 Gallons
7 / 3 / 2013	Goodlett Farms Café	7130 Goodlett Farms Rd.	38016	26 - M	2200 Gallons
7 / 3 / 2013	Jim & Nick's Bar-B-Que	2359 Germantown Pkwy.	38016	136 - D	2000 Gallons
7 / 3 / 2013	Kroger	576 Perkins Rd.	38117	46 - E	1000 Gallons
7 / 3 / 2013	Oasis Café	755 Crossover Ln.	38117	46 - K	400 Gallons

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>GRE</b>
7 / 3 /2013	Pfizer Cafeteria	1855 Shelby Oaks Dr.	38134	25 - M	30 Pound
7 / 3 /2013	SCS - Southwind MS	7740 Lowrance Rd.	38125	153 - B	250 Gallons
7 / 3 /2013	Wendy's	8092 Rock Creek Cv.	38016	134 - P	1000 Gallons
7 / 5 /2013	Blind Bear	119 S. Main St.	38103	34 - D	50 Pound
7 / 5 /2013	Bogie's Deli	715 Mendenhall Rd. S.	38117	46 - G	50 Pound
7 / 5 /2013	Broad Express	2980 Broad Ave.	38112	30 - P	50 Pound
7 / 5 /2013	Cool Bliss Frozen Yogurt	2257 Germantown Pkwy.	38016	136 - D	100 Pound
7 / 5 /2013	Dixie Cafe	4699 Poplar Ave.	38117	46 - F	500 Gallons
7 / 5 /2013	Easy Way Produce	814 Mt. Moriah Rd.	38117	46 - L	0
7 / 5 /2013	El Porton	1805 Germantown Pkwy.	38016	136 - L	250 Gallons
7 / 5 /2013	GiGi's Cupcakes	4709 Poplar Ave.	38117	46 - F	30 Pound
7 / 5 /2013	Huey's	1771 Germantown Pkwy.	38016	136 - L	400 Gallons
7 / 5 /2013	Jimmy John's Gourmet Sandwiches	2293 Germantown Pkwy. N.	38016	136 - D	50 Pound
7 / 5 /2013	Lenny's Subs	4726 Spottswood Ave.	38117	46 - F	30 Pound
7 / 5 /2013	Mapco Express	3530 Summer Ave.	38122	33 - E	40 Pound
7 / 5 /2013	Margolin Hebrew Academy	390 White Station Rd.	38117	46 - D	400 Gallons
7 / 5 /2013	McDonalds	3120 S. Third St.	38109	62 - L	500 Gallons
7 / 5 /2013	Pei Wei	2257 Germantown Pkwy.	38016	136 - M	1500 Gallons
7 / 5 /2013	Qdoba Mexican Restaurant	2257 Germantown Pkwy.	38016	136 - D	100 Pound
7 / 5 /2013	Superfo Foods	4744 Spottswood Ave.	38117	46 - F	300 Gallons
7 / 5 /2013	Target (snack bar)	601 Colonial Rd.	38117	46 - F	750 Gallons
7 / 5 /2013	Wing Stop	4697 Poplar Ave.	38117	46 - F	300 Pound
7 / 8 /2013	Back Yard Burgers	1685 Germantown Pkwy.	38016	136 - P	300 Gallons
7 / 8 /2013	Bombay House	1727 Germantown Pkwy.	38016	136 - P	40 Pound
7 / 8 /2013	Bright Glade Convelescent Home	5072 Sanderlin Rd.	38117	46 - G	300 Gallons
7 / 8 /2013	Burger King	1765 Germantown Pkwy.	38016	136 - P	750 Gallons
7 / 8 /2013	Cosmic Coconuts	5101 Sanderlin Rd.	38117	46 - G	70 Pound
7 / 8 /2013	Fox Ridge Pizza	1769 Germantown Pkwy.	38016	136 - P	20 Pound

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>GRE</b>
7 / 8 /2013	Gibson's Donuts, Inc.	760 Mt. Moriah Rd.	38117	46 - L	20 Pound
7 / 8 /2013	Gus' World Famous Chicken	730 Mendenhall Rd. S.	38117	46 - L	1000 Gallons
7 / 8 /2013	Half Shell, The	688 Mendenhall Rd.	38117	46 - G	100 Gallons
7 / 8 /2013	Honey Baked Ham	1727 Germantown Pkwy.	38016	136 - P	50 Pound
7 / 8 /2013	Interim Restaurant	5040 Sanderlin Rd.	38117	46 - G	1000 Gallons
7 / 8 /2013	Jimmy John's Gourmet Sandwiches	5181 Poplar Ave.	38117	46 - M	100 Pound
7 / 8 /2013	Kabob Int'l	8050 Dexter Rd.	38016	136 - P	30 Pound
7 / 8 /2013	Kelvin's/Hibbles Hot Wings	8050 Dexter Rd.	38016	136 - P	40 Pound
7 / 8 /2013	Kroger	799 Truse Pkwy.	38117	46 - L	1000 Gallons
7 / 8 /2013	Lenny's Subs	700 Mt. Moriah Rd.	38117	46 - L	70 Pound
7 / 8 /2013	Mosa Asian Bistro	850 White Station Rd.	38117	46 - M	100 Gallons
7 / 8 /2013	Raiford's Wings	7020 Shelby Dr.	38125	152 - L	200 Gallons
7 / 8 /2013	St. Louis School	5192 Shady Grove Rd.	38117	39 - R	200 Gallons
7 / 8 /2013	Subway	764 Mt. Moriah Rd.	38117	46 - L	250 Gallons
7 / 9 /2013	Curbside Casserole	5130 Wheelis Dr.	38117	46 - H	60 Pound
7 / 9 /2013	E's 24 Hour Café	3139 Poplar Ave.	38111	37 - M	250 Gallons
7 / 9 /2013	Fox & Hound	5101 Sanderlin Rd.	38117	46 - G	500 Gallons
7 / 9 /2013	Lynchburg Bar & Grill	5069 Sanderlin Rd.	38117	46 - G	400 Gallons
7 / 9 /2013	Marciano	780 Brookhaven Cir.	38117	46 - M	1000 Gallons
7 / 9 /2013	Muddy's Bake Shop	5101 Sanderlin Rd.	38117	46 - G	0
7 / 9 /2013	Napa Cafe	5101 Sanderlin Rd.	38117	46 - G	250 Gallons
7 / 9 /2013	OUT OF BUSINESS	5190 Poplar Ave.	38117	46 - M	0
7 / 9 /2013	Racquet Club Snack Bar	5111 Sanderlin Rd.	38117	46 - H	30 Pound
7 / 9 /2013	Racquet Club, The	5111 Sanderlin Rd.	38117	46 - H	500 Gallons
7 / 9 /2013	Starbucks Coffee	5201 Poplar Ave.	38117	46 - M	30 Pound
7 / 9 /2013	Starbucks Coffee	5201 Poplar Ave.	38117	46 - M	200 Gallons
7 / 9 /2013	Subway	5101 Sanderlin Rd.	38117	46 - G	30 Pound
7 / 10 /2013	Andrew Michael's Italian Kitchen	712 Brookhaven Cir. W.	38117	46 - H	10 Pound



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7 /10/2013	Bangkok Alley	715 Brookhaven Cir. W.	38117	46 - H	50 Pound
7 /10/2013	Blessed Beginnings	736 Brookhaven Cir.	38117	46 - M	0
7 /10/2013	Brookhaven Pub & Grill	695 Brookhaven Cir.	38117	46 - H	500 Gallons
7 /10/2013	Hog & Hominy	707 Brookhaven Cir.	38117	46 - m	100 Pound
7 /10/2013	Mapco Express	2214 Whitten Rd.	38133	26 - B	100 Pound
7 /10/2013	Mapco Express	3333 Thomas St.	38127	7 - L	40 Pound
7 /10/2013	Nike Corporation	3100 Frayser Blvd.	38128	9 - H	3000 Gallons
7 /10/2013	Shark's Fish and Chicken	3659 Hickory Hill Rd.	38115	77 - G	200 Gallons
7 /10/2013	Simply Delicious	767 E. Brookhaven Cir.	38117	46 - M	100 Pound
7 /10/2013	Table 613	5101 Sanderfin Rd.	38117	46 - G	100 Pound
7 /10/2013	Windjammer Restaurant	786 Brookhaven Cir.	38117	46 - H	20 Pound
7 /10/2013	Zoe Child Care	4095 American Way	38118	66 - C	100 Pound
7 /11/2013	Bosses (Bosses Chicken Wings LLC)	5030 Poplar Ave.	38117	46 - G	70 Pound
7 /11/2013	Bosses (Bosses Chicken Wings LLC)	5030 Poplar Ave.	38117	46 - G	100 Pound
7 /11/2013	Carrabba's Italian Grill	5110 Poplar Ave.	38117	46 - L	2000 Gallons
7 /11/2013	Casablanca	5030 Poplar Ave.	38117	46 - G	50 Pound
7 /11/2013	Foozi	5100 Poplar Ave.	38117	46 - L	20 Pound
7 /11/2013	Foozi West	5050 Poplar Ave.	38117	46 - G	50 Pound
7 /11/2013	Matco Paradiso	584 Mendenhall Rd.	38117	46 - G	20 Pound
7 /11/2013	McAlister's Deli	580 Mendenhall Rd.	38117	46 - G	750 Gallons
7 /11/2013	MI Pueblo	5007 Black Rd.	38117	46 - G	20 Pound
7 /11/2013	MI Pueblo	5007 Black Rd.	38117	46 - G	50 Pound
7 /11/2013	Smooth Moves Juice Bar	5030 Poplar Ave.	38117	46 - G	50 Pound
7 /11/2013	Tower Room, The	5100 Poplar Ave.	38117	46 - L	40 Pound
7 /12/2013	Blind Bear	119 S. Main St.	38103	34 - D	50 Pound
7 /12/2013	Boneheads	535 Perkins Rd.	38117	46 - A	70 Pound
7 /12/2013	Broad Express	2980 Broad Ave.	38112	30 - P	50 Pound
7 /12/2013	Chili's Bar & Grill	4609 Poplar Ave.	38117	46 - E	1200 Gallons

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7 /12/2013	Earnestine & Hazel's	531 S. Main St.	38103	34 - M	74 Pound
7 /12/2013	E's 24 Hour Café	3139 Poplar Ave.	38111	37 - M	250 Gallons
7 /12/2013	Exxon - Hop In	4491 Poplar Ave.	38117	46 - A	200 Gallons
7 /12/2013	Fish Market	600 S. Parkway	38106	42 - K	100 Pound
7 /12/2013	Grizzly Mart	1094 National St.	38122	31 - A	750 Gallons
7 /12/2013	Margolin Hebrew Academy	390 White Station Rd.	38117	46 - D	400 Gallons
7 /12/2013	McDonalds	3120 S. Third St.	38109	62 - L	500 Gallons
7 /12/2013	Memphis Donut Shop	3119 Poplar Ave.	38111	37 - L	100 Pound
7 /12/2013	Paulette's	50 Harbor Town Blvd.	38103	27 - D	30 Pound
7 /12/2013	Paulette's	50 Harbor Town Blvd.	38103	27 - D	750 Gallons
7 /12/2013	Pfizer Cafeteria	1855 Shelby Oaks Dr.	38134	25 - M	30 Pound
7 /12/2013	Wendy's	4605 Poplar Ave.	38117	46 - E	500 Gallons
7 /15/2013	Aldo's Pizza Pies	100 S. Main St.	38103	27 - R	3000 Gallons
7 /15/2013	Ben & Jerry's Ice Cream	5007 Black Rd.	38117	46 - G	25 Pound
7 /15/2013	Chelsea Express	2032 Chelsea Ave.	38108	21 - M	400 Gallons
7 /15/2013	Flavor's	4205 Hacks Cross Rd.	38125	150 - P	70 Pound
7 /15/2013	Flavor's	4205 Hacks Cross Rd.	38125	150 - P	100 Pound
7 /15/2013	Folks Folly	551 Mendenhall Rd. S.	38117	46 - G	300 Gallons
7 /15/2013	Holiday Ham & Deli	585 Erin Dr.	38117	46 - G	50 Pound
7 /15/2013	Kroger	540 Mendenhall Rd. S.	38117	46 - G	25 Pound
7 /15/2013	Kroger	540 Mendenhall Rd. S.	38117	46 - G	500 Gallons
7 /15/2013	Kroger	540 Mendenhall Rd. S.	38117	46 - G	1300 Gallons
7 /15/2013	Lucchesi's Ravioli Pasta	540 Mendenhall Rd. S.	38117	46 - G	20 Pound
7 /15/2013	Mexican Deli Chivas	4205 Hacks Cross Rd.	38125	150 - P	750 Gallons
7 /15/2013	Nuttin' But Wings	4205 Hacks Cross Rd.	38125	150 - P	50 Pound
7 /15/2013	SCS - Southwind HS	7900 Shelby Dr.	38125	153 - L	750 Gallons
7 /15/2013	Taziki's Mediterranean Café	540 Mendenhall Rd.	38117	46 - G	1500 Gallons
7 /15/2013	Whole Foods	5022 Poplar Ave.	38117	46 - G	3000 Gallons

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7 /16/2013	Back Yard Burgers	436 Perkins Rd. Ext.	38117	46 - A	200 Gallons
7 /16/2013	Bobcat B&G	4730 Poplar Ave.	38117	46 - F	0
7 /16/2013	Burger King	4810 Poplar Ave.	38117	46 - F	500 Gallons
7 /16/2013	Ciao Bella Pizza	565 Erin Dr.	38117	46 - G	100 Gallons
7 /16/2013	El Mezcal	402 Perkins Rd. Ext.	38117	46 - A	20 Pound
7 /16/2013	ferdinand's Catering	7918 Holmes Rd.	38125	97 - G	50 Pound
7 /16/2013	Flour Garden, The	4730 Poplar Ave.	38117	46 - F	50 Pound
7 /16/2013	Lo Yo Yogurt	559 Erin Dr.	38117	46 - G	100 Pound
7 /16/2013	Oasis Lounge	815 Exocet Dr.	38018	139 - P	100 Pound
7 /16/2013	Pizza Italia	175 Peabody Pl.	38103	34 - D	50 Pound
7 /16/2013	Schlotsky's Deli	4758 Poplar Ave.	38117	46 - F	40 Pound
7 /16/2013	Sektisui Pacific Rim	4724 Poplar Ave.	38117	46 - F	40 Pound
7 /16/2013	St. Mary Childhood	71 Perkins Rd.	38117	39 - J	1000 Gallons
7 /16/2013	St. Mary's Episcopal School	60 Perkins Rd. Ext.	38117	39 - J	
7 /16/2013	St. Mary's Episcopal School	60 Perkins Rd. Ext.	38117	39 - J	500 Gallons
7 /16/2013	Super Z Market	4215 Hacks Cross Rd.	38125	150 - P	100 Pound
7 /17/2013	Belmont Grill, The	4970 Poplar Ave.	38117	46 - G	30 Pound
7 /17/2013	Cash & Karry	4315 S. Third St.	38109	80 - A	100 Pound
7 /17/2013	Chick Fil-A	4916 Poplar Ave.	38117	46 - G	750 Gallons
7 /17/2013	Davis-Kidd/Bronte	387 Perkins Rd. Ext.	38117	46 - A	50 Pound
7 /17/2013	Eudora Baptist Church	4684 Poplar Ave.	38117	46 - F	20 Pound
7 /17/2013	First Korean Presbyterian Church	458 N. Perkins Rd.	38117	39 - B	40 Pound
7 /17/2013	Grove Grill, The	4550 Poplar Ave.	38117	46 - A	375 Gallons
7 /17/2013	Huey's	4872 Poplar Ave.	38117	46 - F	1000 Gallons
7 /17/2013	Jim's Place	518 Perkins Rd. Ext.	38117	46 - E	1500 Gallons
7 /17/2013	MCS - Avon ES	310 Avon Rd.	38117	39 - B	25 Pound
7 /17/2013	Memphis Jr. Academy	50 Mendenhall Rd. N.	38117	39 - L	50 Pound
7 /17/2013	Old Venice Pizza Company	368 Perkins Rd.	38117	46 - A	1000 Gallons

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7 /17/2013	On The Border	4552 Poplar Ave.	38117	46 - A	1500 Gallons
7 /17/2013	Sakura Japanese Restaurant	4840 Poplar Ave.	38117	46 - F	30 Pound
7 /17/2013	Sakura Japanese Restaurant	4840 Poplar Ave.	38117	46 - F	100 Pound
7 /17/2013	Soul Fish	4720 Poplar Ave.	38117	45 - D	1000 Gallons
7 /17/2013	St. Agnes Academy - St Do	4830 Walnut Grove Rd.	38117	39 - K	400 Gallons
7 /17/2013	St. Mary Episcopal Church	4645 Walnut Grove Rd.	38117	39 - K	250 Gallons
7 /17/2013	Swanky's Tacos	4770 Poplar Ave.	38117	46 - F	50 Pound
7 /17/2013	Swanky's Tacos	4770 Poplar Ave.	38117	46 - F	500 Gallons
7 /17/2013	Val's Deli	4646 Poplar Ave.	38117	46 - F	0
7 /18/2013	Blocker's Soul Food	7209 Winchester Rd.	38125	149 - H	1000 Gallons
7 /18/2013	Christ United Methodist Church	4488 Poplar Ave.	38117	46 - A	750 Gallons
7 /18/2013	Christ United Methodist Day Care	4488 Poplar Ave.	38117	46 - A	1300 Gallons
7 /18/2013	Church of Christ	1106 Colonial Rd.	38117	46 - O	250 Gallons
7 /18/2013	Cocktail's	3810 Hacks Cross Rd.	38125	150 - G	2000 Gallons
7 /18/2013	Harding Academy - Sodexho	1100 Cherry Rd.	38117	46 - N	20 Pound
7 /18/2013	Harding Academy - Sodexho	1100 Cherry Rd.	38117	46 - N	250 Gallons
7 /18/2013	Little Caesar's Pizza	2105 Union Ave.	38104	36 - G	100 Gallons
7 /18/2013	Memphis Botanic Garden - Goldsmith	750 Cherry Rd.	38117	45 - M	100 Pound
7 /18/2013	Memphis Botanic Garden - Hardin Hall	750 Cherry Rd.	38117	45 - M	20 Pound
7 /18/2013	Panera Bread	4530 Poplar Ave.	38117	46 - A	200 Gallons
7 /18/2013	Pizza Hut	3675 Southwind Park Cv.	38125	151 - G	50 Pound
7 /18/2013	Poplar Perk'n	4610 Poplar Ave.	38117	46 - E	0
7 /18/2013	Rafferty's	4542 Poplar Ave.	38117	46 - A	400 Gallons
7 /19/2013	Andrew Michael's Italian Kitchen	712 Brookhaven Cir. W.	38117	46 - H	10 Pound
7 /19/2013	Blind Bear	119 S. Main St.	38103	34 - D	50 Pound
7 /19/2013	Boneheads	535 Perkins Rd.	38117	46 - A	70 Pound
7 /19/2013	Bosses (Bosses Chicken Wings LLC)	5030 Poplar Ave.	38117	46 - G	70 Pound
7 /19/2013	Bosses (Bosses Chicken Wings LLC)	5030 Poplar Ave.	38117	46 - G	100 Pound

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7 /19/2013	Cosmic Coconuts	5101 Sanderlin Rd.	38117	46 - G	70 Pound
7 /19/2013	Dunkin Donuts	7670 Winchester Rd.	38125	150 - F	750 Gallons
7 /19/2013	Foozi	5100 Poplar Ave.	38117	46 - L	20 Pound
7 /19/2013	Hog & Hominy	707 Brookhaven Cir.	38117	46 - m	100 Pound
7 /19/2013	Mi Pueblo	5007 Black Rd.	38117	46 - G	20 Pound
7 /19/2013	Mi Pueblo	5007 Black Rd.	38117	46 - G	50 Pound
7 /19/2013	Murphy's Fuel Station	7705 Winchester Rd.	38125	150 - F	70 Pound
7 /19/2013	Smooth Moves Juice Bar	5030 Poplar Ave.	38117	46 - G	50 Pound
7 /19/2013	Wendy's	3196 Austin Peay Hwy.	38128	16 - D	300 Gallons
7 /19/2013	Zaduna Mediterranean	7706 Winchester Rd.	38125	150 - F	100 Pound
7 /22/2013	Auntie Anne's	4465 Poplar Ave.	38117	46 - A	100 Pound
7 /22/2013	Café Eclectic	615 N. McLean Blvd.	38107	29 - G	50 Pound
7 /22/2013	Charley's Grilled Subs	530 Oak Court Dr.	38117	46 - A	50 Pound
7 /22/2013	Chick Fil-A	4465 Poplar Ave.	38117	46 - A	50 Pound
7 /22/2013	China Master	4465 Poplar Ave.	38117	46 - A	20 Pound
7 /22/2013	Fill-N-Go	4135 Riverdale Rd.	38125	152 - C	50 Pound
7 /22/2013	Great American Cookie	4465 Poplar Ave.	38117	46 - A	50 Pound
7 /22/2013	Matibu Wings	4465 Poplar Ave.	38117	46 - A	20 Pound
7 /22/2013	Raiford's Wings	7020 Shelby Dr.	38125	152 - L	200 Gallons
7 /22/2013	Sbarro Pizza	4465 Poplar Ave.	38117	46 - A	20 Gallons
7 /22/2013	Starbucks	4545 Poplar Ave.	38117	46 - E	70 Pound
7 /22/2013	Subway	4465 Poplar Ave.	38117	46 - A	40 Pound
7 /23/2013	Crock Pot #2, The	7911 E. Shelby Dr.	38125	153 - L	50 Pound
7 /23/2013	Honey Baked Ham	5081 Park Ave.	38117	46 - L	70 Pound
7 /23/2013	Little Caesar's Pizza	5018 Park Ave.	38117	46 - L	5 Pound
7 /23/2013	Mapco Express	5009 Park Ave.	38117	46 - L	50 Pound
7 /23/2013	Mellow Mushroom	5138 Park Ave.	38117	46 - M	2000 Gallons
7 /23/2013	Memphis Pizza Cafe	5061 Park Ave.	38117	46 - L	15 Pound

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7 /23/2013	New Hunan Restaurant	5052 Park Ave.	38117	46 - L	250 Gallons
7 /23/2013	Perkins Rest. & Bakery	5112 Park Ave.	38117	46 - L	750 Gallons
7 /23/2013	Pyro's Park Place	1199 Ridgeway Rd.	38119	57 - C	125 Gallons
7 /23/2013	Raiford's Wings	7020 Shelby Dr.	38125	152 - L	200 Gallons
7 /23/2013	Ricki's Cookie Corner	5068 Park Ave.	38117	46 - L	50 Pound
7 /24/2013	Back Yard Burgers	5091 Park Ave.	38117	46 - L	200 Gallons
7 /24/2013	E's 24 Hour Café	4969 Park Ave.	38117	46 - L	100 Gallons
7 /24/2013	Firehouse Subs	5062 Park Ave.	38117	46 - L	70 Pound
7 /24/2013	Fresh Market	835 S. White Station Rd.	38117	46 - M	1000 Gallons
7 /24/2013	Memphis Sports Pub	5012 Park Ave.	38117	46 - L	5 Gallons
7 /24/2013	MPC - Audubon Club House	4160 Park Ave.	38117	45 - M	30 Pound
7 /24/2013	OUT OF BUSINESS	4980 Park Ave.	38117	46 - L	20 Pound
7 /24/2013	Patrick's	4972 Park Ave.	38117	46 - L	500 Gallons
7 /24/2013	Tokyo Grill	4978 Park Ave.	38117	46 - L	10 Pound
7 /25/2013	Boston Fish	4647 Quince Rd.	38117	56 - F	50 Pound
7 /25/2013	Cooper's Supermarket	4571 Quince Rd.	38117	56 - E	100 Gallons
7 /25/2013	Cooper's Supermarket	4571 Quince Rd.	38117	56 - E	250 Gallons
7 /25/2013	Cordova Bowling Center	7945 Club Center Cv.	38016	139 - C	200 Gallons
7 /25/2013	Domino's Pizza	1327 Germantown Pkwy.	38016	139 - C	20 Pound
7 /25/2013	Exxon - Hop In	1375 N. Germantown Pkwy.	38016	139 - C	250 Gallons
7 /25/2013	Frost Bake Shop	394 S. Grove Park Rd.	38117	46 - A	50 Pound
7 /25/2013	Fu Lin Chinese Restaurant	1351 Germantown Pkwy.	38016	139 - C	20 Pound
7 /25/2013	Holy Rosary Church	4841 Park Ave.	38117	46 - K	200 Gallons
7 /25/2013	Learning Tree DCC	7917 Club Parkway	38016	139 - C	0
7 /25/2013	McDonalds	4657 Quince Rd.	38117	56 - F	1100 Gallons
7 /25/2013	New Hong Kong	4594 Quince Rd.	38117	56 - E	50 Pound
7 /25/2013	Sonic Drive-In	1305 Germantown Pkwy.	38016	139 - G	40 Pound
7 /25/2013	Sonic Drive-In	1305 Germantown Pkwy.	38016	139 - G	250 Gallons

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7 /25/2013	Subway	1321 Germantown Pkwy.	38016	139 - C	40 Pound
7 /25/2013	Town Village Audubon Park	950 Cherry Rd.	38117	46 - N	800 Gallons
7 /26/2013	Abner's	1100 Germantown Pkwy.	38016	139 - L	500 Gallons
7 /26/2013	Burger King	4810 Poplar Ave.	38117	46 - F	500 Gallons
7 /26/2013	Chelsea Express	2032 Chelsea Ave.	38108	21 - M	400 Gallons
7 /26/2013	Earnestine & Hazel's	531 S. Main St.	38103	34 - M	74 Pound
7 /26/2013	El Mezcal	402 Perkins Rd. Ext.	38117	46 - A	20 Pound
7 /26/2013	Incredible Pizza Co.	1245 Germantown Pkwy.	38016	139 - G	2000 Gallons
7 /26/2013	KFC	1295 Germantown Pkwy.	38016	139 - G	1000 Gallons
7 /26/2013	Kiosk	2760 Germantown Pkwy.	38133	134 - M	0
7 /26/2013	L'Ecole Culinnaire	1245 Germantown Pkwy.	38016	139 - G	1500 Gallons
7 /26/2013	M & S Market	1599 Orleans Rd.	38106	42 - K	70 Pound
7 /26/2013	Outback Steak House	1110 Germantown Pkwy.	38016	139 - L	250 Gallons
7 /26/2013	Red Robin Restaurant	1231 Germantown Pkwy.	38016	139 - G	2000 Gallons
7 /26/2013	Sakura Japanese Restaurant	4840 Poplar Ave.	38117	46 - F	30 Pound
7 /26/2013	Sakura Japanese Restaurant	4840 Poplar Ave.	38117	46 - F	100 Pound
7 /26/2013	Schlotsky's Deli	4758 Poplar Ave.	38117	46 - F	40 Pound
7 /26/2013	St. Mary Childhood	71 Perkins Rd.	38117	39 - J	1000 Gallons
7 /26/2013	Taziki's Mediterranean Café	540 Mendenhall Rd.	38117	46 - G	1500 Gallons
7 /29/2013	All Star Lanes	1576 S. White Station Rd.	38117	56 - L	300 Gallons
7 /29/2013	M & S Market	1599 Orleans Rd.	38106	42 - K	70 Pound
7 /29/2013	MCS - Colonial MS	1370 Colonial Rd.	38117	56 - F	10 Pound
7 /29/2013	MCS - Colonial MS	1370 Colonial Rd.	38117	56 - F	1000 Gallons
7 /29/2013	MCS - Sea Isle ES	5250 Sea Isle Rd.	38117	56 - H	20 Pound
7 /29/2013	OUT OF BUSINESS	995 E. Parkway	38104	43 - D	1000 Gallons
7 /29/2013	OUT OF BUSINESS	1705 Prescott St. S.	38117	55 - A	20 Gallons
7 /29/2013	Soulsville Charter School	926 E. McLemore Ave.	38106	42 - G	3000 Gallons
7 /29/2013	Steak & Shake	8477 Hwy 64	38133	134 - H	300 Gallons

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7 /29/2013	Three Little Pigs BBQ	5145 Quince Rd.	38117	56 - M	40 Pound
7 /30/2013	MCS - Overton HS	1770 Lanier Ln.	38117	56 - O	300 Gallons
7 /30/2013	MCS - Willow Oaks ES	4417 Willow Rd.	38117	56 - J	300 Gallons
7 /30/2013	Mt. Moriah Food Mart	1740 White Station Rd.	38117	56 - L	0
7 /30/2013	OUT OF BUSINESS	1492 Cherry Rd.	38117	55 - H	0
7 /31/2013	Advanced Learning Academy	880 Thomas St.	38107	28 - B	0
7 /31/2013	Boom Boom Room	1065 Thomas St.	38107	20 - O	20 Pound
7 /31/2013	Chick Fil-A	2849 Germantown Pkwy. N.	38133	134 - H	1000 Gallons
7 /31/2013	Convenient Store	2500 Jackson Ave.	38108	30 - F	750 Gallons
7 /31/2013	El Toro Loco	2617 Poplar Ave.	38112	37 - G	200 Gallons
7 /31/2013	House Of Knowledge	975 Thomas St.	38107	20 - O	100 Pound
7 /31/2013	Kids School	1126 Thomas St.	38107	20 - O	0
7 /31/2013	MCS - Manassas High School	1111 Manassas St.	38107	20 - P	1500 Gallons
7 /31/2013	Mike's Mini Mart	1137 N. Thomas St.	38107	20 - O	20 Pound
7 /31/2013	Trinity CME Church	1096 Thomas St.	38107	20 - K	750 Gallons
7 /31/2013	Williams Food Mart	1092 N. Manassas St.	38107	20 - L	40 Pound
8 /1 /2013	Alex's Tavern	1445 Jackson Ave.	38107	29 - F	5 Pound
8 /1 /2013	Cave's Soul Food	1689 Jackson Ave.	38107	23 - F	500 Gallons
8 /1 /2013	Comed Beef House	845 Jackson Ave.	38107	28 - G	500 Gallons
8 /1 /2013	Hugstables Sports Bar	813 Jackson Ave.	38107	28 - G	20 Pound
8 /1 /2013	King's Grocery & Deli	1701 Jackson Ave.	38107	29 - C	74 Pound
8 /1 /2013	Lucky Green Food Mart	1069 Watkins St.	38107	21 - N	10 Pound
8 /1 /2013	Our Bar	1343 Jackson Ave.	38107	29 - E	5 Pound
8 /1 /2013	Save-A-Lot	999 Jackson Ave.	38107	28 - H	750 Gallons
8 /1 /2013	Tops BBQ	1383 Jackson Ave.	38107	29 - E	1000 Gallons
8 /1 /2013	Wendy's	3196 Austin Peay Hwy.	38128	16 - D	300 Gallons
8 /2 /2013	Corner Express	645 Chelsea Ave.	38107	20 - P	70 Pound
8 /2 /2013	Dexter Food and Fuel	7469 Dexter Rd.	38016	136 - N	300 Gallons



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8/2/2013	Fresh Market	835 S. White Station Rd.	38117	46 - M	1000 Gallons
8/2/2013	Harbor View Nursing and Rehab Center	1513 N. Second St.	38107	20 - A	1000 Gallons
8/2/2013	Khalid Mothana	1700 E. Holmes Rd.	38116	91 - A	750 Gallons
8/2/2013	Larry's Pizza	6090 Macon Cv.	38134	33 - D	300 Gallons
8/2/2013	Memphis Sports Pub	5012 Park Ave.	38117	46 - L	5 Gallons
8/2/2013	MPC - Audubon Club House	4160 Park Ave.	38117	45 - M	30 Pound
8/2/2013	Our Bar	1345 Jackson Ave.	38107	29 - E	4 Pound
8/2/2013	Pizza Italia	175 Peabody Pl.	38103	34 - D	50 Pound
8/2/2013	Sally's Grocery	3118 Chelsea Ave.	38108	22 - M	70 Pound
8/2/2013	Town Village Audubon Park	950 Cherry Rd.	38117	46 - N	800 Gallons
8/3/2013	Pizza Italia	175 Peabody Pl.	38103	34 - D	50 Pound
8/5/2013	Center, The	799 S. Highland St.	38111	45 - J	50 Gallons
8/5/2013	Einstein Bros. Bagels	4631 Poplar Ave.	38117	46 - E	100 Pound
8/5/2013	El Puerto	775 Highland St.	38111	45 - J	150 Gallons
8/5/2013	International House of Pancakes	1136 Germantown Pkwy.	38016	139 - L	1500 Gallons
8/5/2013	Jack Pirtles Chicken	811 Highland St.	38111	45 - J	750 Gallons
8/5/2013	KFC	727 Highland St.	38111	45 - E	1000 Gallons
8/5/2013	Kwik Shop	1210 Germantown Pkwy.	38016	139 - G	20 Pound
8/5/2013	Kwik Shop	1210 Germantown Pkwy.	38016	139 - G	300 Gallons
8/5/2013	OUT OF BUSINESS	2442 Summer Ave.	38112	30 - K	200 Gallons
8/5/2013	Rain	1250 Germantown Pkwy.	38016	139 - G	750 Gallons
8/5/2013	Smoothie King Frozen Yogurt	2323 Germantown Pkwy.	38016	136 - D	100 Pound
8/5/2013	Sweet CeCe's Frozen Yogurt	1250 Germantown Pkwy.	38016	139 - G	70 Pound
8/5/2013	Thai Bistro	1250 Germantown Pkwy.	38016	139 - G	100 Pound
8/5/2013	Wendy's	749 Highland St.	38111	35 - N	400 Gallons
8/5/2013	Yum's	782 Highland St.	38111	45 - J	70 Gallons
8/6/2013	Bonefish Grill	1250 Germantown Pkwy.	38016	139 - G	1200 Gallons
8/6/2013	BP - Northside Food Market	1414 Jackson Ave.	38107	29 - E	100 Pound

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>GRE</b>
8 /6 /2013	Café Eclectic	603 N. McLean Blvd.	38107	29 - L	40 Pound
8 /6 /2013	Café Eclectic	510 S. Highland St.	38111	45 - A	50 Pound
8 /6 /2013	Café Eclectic	510 S. Highland St.	38111	45 - A	70 Pound
8 /6 /2013	Café Eclectic	615 N. McLean Blvd.	38107	29 - G	50 Pound
8 /6 /2013	Chili's Bar & Grill	1260 Germantown Pkwy.	38016	139 - G	1000 Gallons
8 /6 /2013	Crockett's Gro. & Deli	1260 Breedlove St.	38107	20 - M	15 Pound
8 /6 /2013	Crumpy's Hot Wings	1336 Jackson Ave.	38107	29 - E	30 Pound
8 /6 /2013	Danvers	1380 Germantown Pkwy.	38016	139 - C	1000 Gallons
8 /6 /2013	Darrell's Around the Clock	1396 Jackson Ave.	38107	29 - E	0
8 /6 /2013	Dinos Southwestern	645 McLean Blvd.	38107	29 - G	5 Pound
8 /6 /2013	Firestone Grocery & Deli	1004 Firestone	38107	20 - K	20 Pound
8 /6 /2013	Flying Saucer	1400 Germantown Pkwy.	38016	139 - C	1000 Gallons
8 /6 /2013	Heritage Enrichment Center	982 Jackson Ave.	38107	28 - H	0
8 /6 /2013	Jet's Pizza	1400 Germantown Pkwy.	38016	139 - C	1000 Gallons
8 /6 /2013	Klondike Food & Deli	1214 Jackson Ave.	38107	29 - E	5 Pound
8 /6 /2013	Mapco Express	1723 Jackson Ave.	38107	29 - C	0
8 /6 /2013	Memphis Banquet Club	912 Jackson Ave.	38107	28 - H	30 Pound
8 /6 /2013	Popeyes	1296 Germantown Pkwy.	38016	139 - G	2000 Gallons
8 /7 /2013	After Dark Sports Bar	1249 Thomas St.	38107	20 - K	100 Pound
8 /7 /2013	B and B Deli	1283 N. Thomas St.	38107	20 - K	99
8 /7 /2013	Chuck E. Cheese	1636 Germantown Pkwy.	38016	136 - P	800 Gallons
8 /7 /2013	Club Hughes	1221 Thomas St.	38107	20 - K	50 Pound
8 /7 /2013	D'Bo's	1400 Germantown Pkwy.	38016	139 - C	750 Gallons
8 /7 /2013	First Tabernacle Child Care	1249 Coker St.	38107	20 - M	0
8 /7 /2013	Grizzly Mart	1192 Jackson Ave.	38107	29 - E	50 Pound
8 /7 /2013	Hog Wild	1291 Tully St.	38107	20 - L	250 Gallons
8 /7 /2013	Klondike Food & Deli	1214 Jackson Ave.	38107	29 - E	5 Pound
8 /7 /2013	Lee Lee's Bar & Grill	1217 N. Thomas St.	38107	20 - K	10 Pound

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8 / 7 /2013	Lin's Garden	1420 Jackson Ave.	38107	29 - E	70 Pound
8 / 7 /2013	Memphis Banquet Club	912 Jackson Ave.	38107	28 - H	30 Pound
8 / 7 /2013	Milano's Pizza	1740 Germantown Pkwy.	38016	136 - P	15 Pound
8 / 7 /2013	Ms Girfee's	629 Chelsea Ave.	38107	28 - C	70 Pound
8 / 7 /2013	OUT OF BUSINESS	649 Firestone	38107	20 - L	10 Pound
8 / 7 /2013	Soul - Lucions	2926 Lamar Ave.	38114	54 - G	50 Pound
8 / 7 /2013	Trinity CME Church	1096 Thomas St.	38107	20 - K	750 Gallons
8 / 7 /2013	Zaxby's	1420 Germantown Pkwy.	38016	139 - G	1500 Gallons
8 / 8 /2013	7th St. Cash & Carry	956 Seventh Ave. N.	38107	20 - O	0
8 / 8 /2013	Ayer's Grocery	791 Ayers St.	38107	28 - C	0
8 / 8 /2013	Dunlap Grocery	752 Dunlap St.	38107	28 - C	0
8 / 8 /2013	Einstein Bros. Bagels	4631 Poplar Ave.	38117	46 - E	100 Pound
8 / 8 /2013	Ethiopian Restaurant	1134 Germantown Pkwy.	38016	139 - L	30 Pound
8 / 8 /2013	Golden Coast	1140 Germantown Pkwy.	38016	139 - L	750 Gallons
8 / 8 /2013	Greater Community Temple - FD SVC	924 Dunlap St. N.	38107	20 - P	40 Pound
8 / 8 /2013	Holy Names	709 Keel Ave.	38107	28 - B	50 Pound
8 / 8 /2013	Humdingers	1134 Germantown Pkwy.	38016	139 - L	750 Gallons
8 / 8 /2013	Isushi	1134 Germantown Pkwy.	38016	139 - L	1000 Gallons
8 / 8 /2013	Jason's Deli	1585 Chickering Ln.	38016	136 - P	1200 Gallons
8 / 8 /2013	Kroger	1675 Germantown Pkwy.	38016	136 - P	35 Pound
8 / 8 /2013	Kroger	1675 Germantown Pkwy.	38016	136 - P	400 Gallons
8 / 8 /2013	Little Caesar's Pizza	1605 Germantown Pkwy.	38016	136 - P	20 Pound
8 / 8 /2013	McDonalds	1705 Germantown Pkwy.	38016	136 - P	750 Gallons
8 / 8 /2013	OUT OF BUSINESS	1641 Germantown Pkwy.	38016	136 - P	20 Pound
8 / 8 /2013	Perkins Market Place	2889 S. Perkins Rd.	38118	67 - F	750 Gallons
8 / 8 /2013	Petra Restaurant	1649 Germantown Pkwy.	38016	136 - P	40 Pound
8 / 8 /2013	Pita Pit	2105 Union Ave.	38104	36 - H	100 Pound
8 / 8 /2013	Porter Leath DCC	890 Manassas St.	38107	28 - C	350 Gallons

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>GRE</b>
8 / 8 / 2013	Soul - Lucions	2926 Lamar Ave.	38114	54 - G	50 Pound
8 / 8 / 2013	The Live Garden at Memphis Botanic G	750 Cherry Rd.	38117	45 - H	750 Gallons
8 / 8 / 2013	Tropical Smoothie Café	1625 Germantown Pkwy.	38016	136 - P	40 Pound
8 / 8 / 2013	Wing Stop	1605 Germantown Pkwy.	38016	136 - P	1000 Gallons
8 / 9 / 2013	Alex's Tavern	1445 Jackson Ave.	38107	29 - F	5 Pound
8 / 9 / 2013	All Star Lanes	1576 S. White Station Rd.	38117	56 - L	300 Gallons
8 / 9 / 2013	Binghampton Develeppment Corporation	274 Tillman St.	38112	37 - C	40 Pound
8 / 9 / 2013	Bright Ideas Enrichment	1950 Berryhill Rd.	38016	137 - M	0
8 / 9 / 2013	Casablanca	2685 S. Perkins Rd.	38118	67 - F	10 Pound
8 / 9 / 2013	CiCi's Pizza	1425 Germantown Pkwy.	38016	139 - C	1200 Gallons
8 / 9 / 2013	Convenient Store	2962 Poplar Ave.	38111	37 - G	750 Gallons
8 / 9 / 2013	Cordova Skating Center	7970 Club Center Dr.	38016	139 - C	50 Pound
8 / 9 / 2013	El Mezcal Mexican Restaurant	9045 Hwy 64	38016	135 - G	2500 Gallons
8 / 9 / 2013	El Toro Loco	2617 Poplar Ave.	38112	37 - G	200 Gallons
8 / 9 / 2013	Hugstables Sports Bar	813 Jackson Ave.	38107	28 - G	20 Pound
8 / 9 / 2013	La Hacienda	1760 Germantown Pkwy.	38016	136 - P	250 Gallons
8 / 9 / 2013	Lucky Green Food Mart	1069 Watkins St.	38107	21 - N	10 Pound
8 / 9 / 2013	MCS - Sea Isle ES	5250 Sea Isle Rd.	38117	56 - H	20 Pound
8 / 9 / 2013	Mike's Mini Mart	1137 N. Thomas St.	38107	20 - O	20 Pound
8 / 9 / 2013	Milano's Pizza	1740 Germantown Pkwy.	38016	136 - P	15 Pound
8 / 9 / 2013	Morning Grove Baptist Church	9399 Grove Rd.	38016	158 - J	50 Pound
8 / 9 / 2013	MPC - Audubon Club House	4160 Park Ave.	38117	45 - M	30 Pound
8 / 9 / 2013	Muddy's Bake Shop	2497 Broad Ave.	38112	30 - 0	750 Gallons
8 / 9 / 2013	Mug Shot's	8014 Club Center Dr.	38016	139 - C	750 Gallons
8 / 9 / 2013	Overton Park Seventh Day Advantage	1224 Chelsea Ave.	38107	25 - J	70 Pound
8 / 9 / 2013	Perignonis R & L	2818 Coleman Rd.	38128	17 - E	50 Pound
8 / 9 / 2013	Q Mart	2205 E. Shelby Dr.	38116	82 - M	750 Gallons
8 / 9 / 2013	Three Little Pigs BBQ	5145 Quince Rd.	38117	56 - M	40 Pound

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8 /9 /2013	Williams Food Mart	1092 N. Manassas St.	38107	20 - L	40 Pound
8 /12/2013	Dragon Gate	815 Exocet Dr.	38018	139 - P	300 Gallons
8 /12/2013	Friday Tuna Restaurant	750 Germantown Pkwy. N.	38018	142 - C	2000 Gallons
8 /12/2013	Menchie's Frozen Yogurt	750 Germantown Pkwy. N.	38018	142 - C	750 Gallons
8 /12/2013	Mug Shot's	8014 Club Center Dr.	38016	139 - C	750 Gallons
8 /12/2013	Oasis Lounge	815 Exocet Dr.	38018	139 - P	100 Pound
8 /12/2013	Sally's Grocery	3118 Chelsea Ave.	38108	22 - M	70 Pound
8 /12/2013	Smoothie King	932 Germantown Pkwy.	38018	139 - P	100 Pound
8 /12/2013	Tokyo Japanese Express	680 N. Germantown Pkwy.	38018	142 - C	100 Pound
8 /12/2013	Wing Stop	1605 Germantown Pkwy.	38016	136 - P	1000 Gallons
8 /13/2013	4 Dumpings	6515 Poplar Ave.	38119	58 - A	70 Pound
8 /13/2013	Corky's BBQ	1740 Germantown Pkwy.	38016	136 - P	250 Gallons
8 /13/2013	Milano's Pizza	1740 Germantown Pkwy.	38016	136 - P	15 Pound
8 /13/2013	Mr. P's Buffalo Wings Plus	8195 Dexter Rd.	38016	136 - R	20 Pound
8 /13/2013	OUT OF BUSINESS	2760 Germantown Pkwy. N.	38133	134 - M	3000 Gallons
8 /13/2013	Poundcakes, LLC	6880 Hillshire Dr.	38133	26 - C	70 Pound
8 /13/2013	The Grindz	8195 Dexter Rd.	38016	136 - P	50 Pound
8 /14/2013	Bar of North Memphis	1312 N. Thomas St.	38107	20 - F	40 Pound
8 /14/2013	Girls Inc.	686 Seventh Ave. N.	38107	28 - B	40 Pound
8 /14/2013	Hot Wings Short Order Express	1373 Thomas St.	38107	20 - F	10 Pound
8 /14/2013	MCS - Caldwell ES	230 Henry Ave.	38107	20 - O	250 Gallons
8 /14/2013	Noah's Ark	823 N. Second St.	38107	28 - A	0
8 /14/2013	One Block North	645 Marble Ave.	38107	20 - K	10 Pound
8 /14/2013	OUT OF BUSINESS	1407 Thomas St.	38107	20 - F	20 Pound
8 /14/2013	Reba's Place	1351 Thomas St.	38107	20 - F	5 Gallons
8 /14/2013	Soul Lucious Fish & Wings Palace	212 N. Fourth	38103	28 - J	70 Pound
8 /15/2013	Bar of North Memphis	1312 N. Thomas St.	38107	20 - F	40 Pound
8 /15/2013	Breedlove Grocery	810 Breedlove St.	38107	28 - D	50 Pound

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8 /15/2013	C. C. Blues Club	1427 N. Thomas St.	38107	20 - F	20 Pound
8 /15/2013	MCS - Gordon ES	780 Decatur St.	38107	28 - D	250 Gallons
8 /15/2013	MCS - Guthrie ES	951 Chelsea Ave.	38107	20 - R	350 Gallons
8 /15/2013	North Memphis Market	1590 Vollintine Ave.	38107	29 - B	15 Pound
8 /15/2013	Overton Park Seventh Day Advantage	1224 Chelsea Ave.	38107	25 - J	70 Pound
8 /15/2013	Union Grove M.B. Church	905 Ayers St.	38107	20 - P	750 Gallons
8 /16/2013	BP - Northside Food Market	1414 Jackson Ave.	38107	29 - E	100 Pound
8 /16/2013	Breadlove Grocery	810 Breadlove St.	38107	28 - D	50 Pound
8 /16/2013	Buckman Boys & Girls Club	1100 Vollintine Ave.	38107	20 - R	10 Pound
8 /16/2013	Buckman Boys & Girls Club	1100 Vollintine Ave.	38107	20 - R	500 Gallons
8 /16/2013	Firestone Grocery & Deli	1004 Firestone	38107	20 - K	20 Pound
8 /16/2013	Frost Bake Shop	394 S. Grove Park Rd.	38117	46 - A	50 Pound
8 /16/2013	Grizzly Mart	1192 Jackson Ave.	38107	29 - E	50 Pound
8 /16/2013	Memphis Banquet Club	912 Jackson Ave.	38107	28 - H	30 Pound
8 /16/2013	Ms Girlee's	629 Chelsea Ave.	38107	28 - C	70 Pound
8 /16/2013	Save-A-Lot	999 Jackson Ave.	38107	28 - H	750 Gallons
8 /16/2013	Trinity CME Church	1096 Thomas St.	38107	20 - K	750 Gallons
8 /16/2013	Zac's Bar & Grill	175 Peabody Pl.	38103	34 - D	40 Pound
8 /17/2013	Glip Café	1147 Tully St.	38107	20 - L	20 Pound
8 /19/2013	Blooming Scholars Child Care	2062 Southern Ave.	38114	43 - C	20 Pound
8 /19/2013	Chelsea Market	1050 Chelsea Ave.	38107	20 - R	20 Pound
8 /19/2013	In & Out Grocery	868 Chelsea Ave.	38107	20 - P	200 Gallons
8 /19/2013	Joshua's Learning Tree	1953 Lamar Ave.	38114	43 - G	0
8 /19/2013	Louise's Learning Tree	1126 Chelsea Ave.	38107	20 - R	0
8 /19/2013	OUT OF BUSINESS	1778 Kerr Ave.	38114	43 - K	0
8 /19/2013	Q Mart	610 E. Holmes Rd.	38109	90 - A	750 Gallons
8 /19/2013	Q Mart	1651 Getwell Rd.	38111	55 - L	750 Gallons
8 /19/2013	Q Mart	2515 Covington Pike	38128	17 - L	750 Gallons

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8 /19/2013	Q Mart	2711 Range Line Rd.	38128	9 - F	750 Gallons
8 /19/2013	Vollintine Market	1243 Vollintine Ave.	38107	21 - N	0
8 /19/2013	Wild Bill's Restaurant	1580 Vollintine Ave.	38107	29 - B	5 Gallons
8 /20/2013	All Star Lanes	1576 S. White Station Rd.	38117	56 - L	300 Gallons
8 /20/2013	C.C. Blues Club	1427 N. Thomas St.	38107	20 - F	20 Pound
8 /20/2013	Glp Café	1147 Tully St.	38107	20 - L	20 Pound
8 /20/2013	Girls Inc.	686 Seventh Ave. N.	38107	28 - B	40 Pound
8 /20/2013	MCS - Klondike ES	1250 Vollintine Ave.	38107	21 - N	750 Gallons
8 /20/2013	MCS - Northside HS	1212 Vollintine Ave.	38107	21 - N	500 Gallons
8 /20/2013	Menchie's Frozen Yogurt	7706 Winchester Rd.	38125	150 - F	70 Pound
8 /20/2013	Skewer	5101 Sanderlin Rd.	38117	15 - F	70 Pound
8 /20/2013	Slice of Heaven Bakery	4287 Summer Ave.	38122	32 - N	100 Pound
8 /21/2013	B&G Food Mart	1076 S. Cooper St.	38114	43 - D	0
8 /21/2013	Exline's Best Pizza In Town	2809 Lamar Ave.	38114	54 - F	150 Gallons
8 /21/2013	Fazoli's Restaurant	3587 Riverdale Rd.	38115	149 - C	1000 Gallons
8 /21/2013	Firehouse BBQ Wings	3279 Kirby Pkwy.	38115	146 - N	50 Pound
8 /21/2013	Kirby Discount	3295 Kirby Pkwy.	38115	146 - N	50 Pound
8 /21/2013	Lee's Market	2861 Lamar Ave.	38114	54 - F	25 Pound
8 /21/2013	Lenny's Subs	3593 Riverdale Rd.	38115	149 - C	10 Pound
8 /21/2013	Lowenstein House	6590 Kirby Center Cv.	38115	149 - A	100 Pound
8 /21/2013	New Salem Church	2231 S. Parkway	38114	43 - H	10 Gallons
8 /21/2013	OUT OF BUSINESS	3675 Riverdale Rd.	38115	149 - G	30 Pound
8 /21/2013	Payne's BBQ	1762 Lamar Ave.	38114	43 - B	5 Pound
8 /21/2013	Subway	6744 Winchester Rd.	38115	149 - F	50 Pound
8 /22/2013	China Dragon	3588 Ridgeway Rd.	38115	77 - D	500 Gallons
8 /22/2013	KFC	2256 Lamar Ave.	38114	43 - M	1000 Gallons
8 /22/2013	Kroger	2269 Lamar Ave.	38114	43 - M	25 Pound
8 /22/2013	McDonalds	6668 Winchester Rd.	38115	149 - E	1000 Gallons

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8/22/2013	New Hope Day Care	2450 Malone Ave.	38114	54 - A	0
8/22/2013	Olford Ministries, Inc.	4000 Riverdale Rd.	38115	149 - P	25 Pound
8/22/2013	Popeyes	2235 Lamar Ave.	38114	43 - M	500 Gallons
8/22/2013	Save-A-Lot	2258 Lamar Ave.	38114	43 - M	300 Gallons
8/22/2013	Tycoon Asian Cuisine	3307 Kirby Pkwy.	38115	146 - N	30 Gallons
8/23/2013	Breedlove Grocery	810 Breedlove St.	38107	28 - D	50 Pound
8/23/2013	Buckman Boys & Girls Club	1100 Vollintine Ave.	38107	20 - R	10 Pound
8/23/2013	Buckman Boys & Girls Club	1100 Vollintine Ave.	38107	20 - R	500 Gallons
8/23/2013	Fish Net, The	2731 Lamar Ave.	38114	54 - B	500 Gallons
8/23/2013	Four Points	4090 Stansell Ct.	38125	153 - C	750 Gallons
8/23/2013	Friday Tuna Restaurant	750 Germantown Pkwy. N.	38018	142 - C	2000 Gallons
8/23/2013	Holiday Inn Express	4068 Stansell Ct.	38125	150 - P	750 Gallons
8/23/2013	Klondike Food & Deli	1214 Jackson Ave.	38107	29 - E	5 Pound
8/23/2013	Little Caesar's Pizza	2669 Lamar Ave.	38114	54 - B	750 Gallons
8/23/2013	Mr. P's Buffalo Wings Plus	8195 Dexter Rd.	38016	136 - R	20 Pound
8/23/2013	Mug Shot's	8014 Club Center Dr.	38016	139 - C	750 Gallons
8/23/2013	North Memphis Market	1590 Vollintine Ave.	38107	29 - B	15 Pound
8/23/2013	OUT OF BUSINESS	2721 Lamar Ave.	38114	54 - F	20 Pound
8/23/2013	Wing Stop	1605 Germantown Pkwy.	38016	136 - P	1000 Gallons
8/26/2013	4 Kings Burgers and Wings	6661 Winchester Rd.	38115	149 - F	50 Pound
8/26/2013	Blues Night Club	1405 Airways Blvd.	38114	43 - M	40 Pound
8/26/2013	C&J Barbeque	2019 E. Person Ave.	38114	43 - P	30 Pound
8/26/2013	Checker's	1351 Airways Blvd.	38114	43 - M	800 Gallons
8/26/2013	Einstein Bros. Bagels	4631 Poplar Ave.	38117	46 - E	100 Pound
8/26/2013	Franklin Park Retirement	3393 Kirby Rd.	38115	149 - A	200 Gallons
8/26/2013	Girls Inc.	686 Seventh Ave. N.	38107	28 - B	40 Pound
8/26/2013	KFC	6262 Winchester Rd.	38115	77 - H	1000 Gallons
8/26/2013	Kirby Pines Estates	3535 Kirby Rd.	38115	149 - A	300 Gallons



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8 /26/2013	LaPaloma Treatment Center	1230 LaPaloma St.	38114	43 - G	30 Pound
8 /26/2013	Lareal La Michoacana	6635 Winchester Rd.	38115	149 - F	40 Pound
8 /26/2013	MCS - Magnolia Elementary	2061 Livewell Cir.	38114	43 - P	1000 Gallons
8 /26/2013	OUT OF BUSINESS	6496 Winchester Rd.	38115	77 - H	250 Pound
8 /26/2013	Perkins Market Place	2889 S. Perkins Rd.	38118	67 - F	750 Gallons
8 /26/2013	Popeyes	6546 Winchester Rd.	38115	149 - E	500 Gallons
8 /26/2013	Shark's Fish and Chicken	3659 Hickory Hill Rd.	38115	77 - G	200 Gallons
8 /26/2013	Taco Bell	6210 Winchester Rd.	38115	77 - H	500 Gallons
8 /27/2013	Castalia Supermarket	1717 Castalia St.	38114	53 - C	10 Pound
8 /27/2013	JNC Community Grocery	1701 Castalia St.	38114	53 - C	300 Gallons
8 /27/2013	Kennington Point	6301 Village Grove Dr.	38115	77 - D	1000 Gallons
8 /27/2013	Klasy Kids Academy Food Service	6662 Winchester Rd.	38115	149 - F	0
8 /27/2013	MCS - Winridge ES	3500 Ridgeway Rd.	38115	77 - D	500 Gallons
8 /27/2013	OUT OF BUSINESS	94 S. Main St.	38103	34 - D	100 Pound
8 /27/2013	OUT OF BUSINESS	308 Poplar Ave.	38103	28 - O	750 Gallons
8 /27/2013	OUT OF BUSINESS	1775 Castalia St.	38114	53 - C	5 Pound
8 /27/2013	OUT OF BUSINESS	2152 Dunn Ave.	38114	53 - H	40 Pound
8 /27/2013	Overton Park Seventh Day Advantage	1224 Chelsea Ave.	38107	25 - J	70 Pound
8 /27/2013	Scholastic Academy	2288 Dunn Ave.	38114	53 - H	20 Pound
8 /27/2013	Supply Chain Solutions LLC	2300 Sittler St.	38114	53 - O	70 Pound
8 /27/2013	Vaqueras & Broncos Bar & Grill	6789 Winchester Rd.	38115	149 - F	50 Pound
8 /27/2013	Wendy's	6260 Winchester Rd.	38115	77 - H	250 Gallons
8 /28/2013	Agape Learning Center	2660 Spottswood Ave.	38114	44 - F	0
8 /28/2013	Carnes Mini Market	2782 Carnes Ave.	38114	44 - F	0
8 /28/2013	Chuck E. Cheese	3649 Hickory Hill Rd.	38115	77 - G	75 Pound
8 /28/2013	Coe's Grocery	2649 Spottswood Ave.	38114	44 - F	60 Pound
8 /28/2013	Fish & Fry's	6279 Winchester Rd.	38115	77 - H	100 Pound
8 /28/2013	Headstart - Hanley	2635 Spottswood Ave.	38114	44 - F	300 Gallons

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8 /28/2013	Hibachi	3813 Riverdale Rd.	38115	149 - L	1800 Gallons
8 /28/2013	McDonalds	6050 Winchester Rd.	38115	77 - G	1500 Gallons
8 /28/2013	Rubens Fried Chicken	1806 Lamar Ave.	38114	43 - B	80 Pound
8 /28/2013	The Live Garden at Memphis Botanic G	750 Cherry Rd.	38117	45 - H	750 Gallons
8 /28/2013	World Overcomers	6655 Winchester Rd.	38115	149 - E	300 Gallons
8 /29/2013	Best Market	3239 Hickory Hill Rd.	38115	68 - O	0
8 /29/2013	Crumpy's Hot Wings	2493 Park Ave.	38114	44 - J	20 Pound
8 /29/2013	Dixie Queen	2388 Park Ave.	38114	44 - J	50 Pound
8 /29/2013	Franklin World of Knowledge	5750 Winchester Rd.	38115	77 - F	30 Pound
8 /29/2013	His & Hers Lounge	1282 Airways Blvd.	38114	43 - H	0
8 /29/2013	Jr. Fish & Chicken	5860 Winchester Rd.	38115	77 - F	750 Gallons
8 /29/2013	Little Wonders of The World	1730 Lamar Ave.	38114	43 - B	0
8 /29/2013	New Direction Church	6120 Winchester Rd.	38115	77 - G	50 Pound
8 /29/2013	Orange Mound Grill	1238 Airways Blvd.	38114	43 - H	50 Pound
8 /29/2013	Save More Grocery	2768 Park Ave.	38114	44 - K	50 Pound
8 /30/2013	Church's Fried Chicken	2963 Park Ave.	38114	44 - L	300 Gallons
8 /30/2013	Club Memphis	2790 Park Ave.	38114	44 - K	5 Gallons
8 /30/2013	Firehouse BBQ Wings	3279 Kirby Pkwy.	38115	146 - N	50 Pound
8 /30/2013	Flirt	3659 Mendenhall Rd.	38115	76 - H	500 Gallons
8 /30/2013	Lowenstein House	6590 Kirby Center Cv.	38115	149 - A	100 Pound
8 /30/2013	MCS - Dunbar ES	2606 Select Ave.	38114	44 - K	40 Pound
8 /30/2013	Sabor Latino	3675 Mendenhall Rd.	38115	76 - H	50 Pound
8 /30/2013	Saver Stop #1	1461 Pendleton St.	38114	44 - O	100 Pound
8 /30/2013	Steak & Shake	8477 Hwy 64	38133	134 - H	300 Gallons
8 /30/2013	Supreme Learning Center	2988 Park Ave.	38114	44 - L	0
8 /30/2013	Union Grove M.B. Church	905 Ayers St.	38107	20 - P	750 Gallons
9 /3 /2013	Mt. Gilliam Baptist Church	1029 Raymond St.	38114	44 - J	0
9 /3 /2013	Quick Check #2	2831 Kimball Ave.	38114	54 - B	20 Pound

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>GRE</b>
9 / 3 / 2013	St. John Baptist	2791 Barron Ave.	38114	44 - O	0
9 / 3 / 2013	Yum's	2265 Park Ave.	38114	43 - M	30 Pound
9 / 5 / 2013	Early Childhood Enrichment Center	2981 Kimball Ave.	38114	54 - C	0
9 / 5 / 2013	Grill, The	3035 Lamar Ave.	38114	54 - L	5 Pound
9 / 5 / 2013	Lucky 7 Grocery	1655 Semmes St.	38114	54 - L	80 Pound
9 / 5 / 2013	MCS - Cherokee ES	3061 Kimball Ave.	38114	54 - C	20 Pound
9 / 5 / 2013	Other Mother's Child Care	3046 Sharpe Ave.	38114	54 - L	0
9 / 6 / 2013	Around The Clock Learning Center	2995 Lamar Ave.	38114	54 - L	0
9 / 6 / 2013	Citgo/Bishop Market	2986 Lamar Ave.	38114	54 - L	0
9 / 6 / 2013	CK's Coffee Shop	5370 Winchester Rd.	38115	76 - H	200 Gallons
9 / 6 / 2013	Crestview Daycare Center	5680 Winchester Rd.	38115	77 - E	0
9 / 6 / 2013	Exline's Best Pizza In Town	3556 Mendenhall Rd.	38115	76 - D	20 Pound
9 / 6 / 2013	Express Market	5470 Winchester Rd.	38115	77 - E	0
9 / 6 / 2013	Kids First Enrichment	3525 Hickory Hill Rd.	38115	77 - C	40 Pound
9 / 6 / 2013	La Guadalupana #2	5848 Winchester Rd.	38115	77 - F	1000 Gallons
9 / 6 / 2013	McDonalds	2850 Lamar Ave.	38114	54 - F	150 Gallons
9 / 6 / 2013	MCS - Newberry Elementary	5540 Newberry Ave.	38115	77 - A	300 Gallons
9 / 6 / 2013	Memphis Banquet Club	912 Jackson Ave.	38107	28 - H	30 Pound
9 / 6 / 2013	Meng's Chinese Cuisine	2990 Semmes St.	38114	54 - L	75 Pound
9 / 6 / 2013	Three Diamond Food Mart	3003 Lamar Ave.	38114	54 - L	0
9 / 6 / 2013	Tops BBQ	2748 Lamar Ave.	38114	54 - B	10 Pound
9 / 9 / 2013	Carniceria Rancho Grande	5359 Winchester Rd.	38115	76 - H	70 Pound
9 / 9 / 2013	Dragon China	1680 Madison Ave.	38104	36 - B	350 Gallons
9 / 9 / 2013	James & Jack Catfish Shack	3706 Mendenhall Rd.	38115	76 - H	50 Pound
9 / 9 / 2013	Las Delicias Taqueria	3729 S. Mendenhall Rd.	38115	67 - R	20 Pound
9 / 9 / 2013	Subway	3647 Mendenhall Rd.	38115	76 - H	50 Pound
9 / 9 / 2013	Wendy's	3543 Mendenhall Rd.	38115	76 - D	200 Gallons
9 / 9 / 2013	Xing Wang Chinese Food & Hot Sub	3209 Mendenhall Rd.	38115	67 - R	60 Pound

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>GRE</b>
9/9/2013	Xing Wang Chinese Food & Hot Sub	3209 Mendenhall Rd.	38115	67 - R	70 Pound
9/10/2013	Cajun Restaurant	3119 Highway 61	38109	71 - L	200 Gallons
9/10/2013	Casablanca	2250 Central Ave.	38104	37 - N	99
9/10/2013	Casablanca	2685 S. Perkins Rd.	38118	67 - F	10 Pound
9/10/2013	Convenience Store	2771 Park Ave.	38114	44 - K	10 Pound
9/10/2013	Dixie Drive In	2367 Ketchum Rd.	38114	53 - R	70 Pound
9/10/2013	Gary's Market	2240 Pendleton St.	38114	54 - K	200 Gallons
9/10/2013	K. K. Market	2200 Pendleton St.	38114	54 - K	40 Pound
9/10/2013	MCS - Airways Middle School	2601 Ketchum Rd.	38114	54 - N	250 Gallons
9/10/2013	Shell Food Mart	2400 Airways Blvd.	38114	53 - R	200 Gallons
9/11/2013	A & R BBQ	3721 Hickory Hill Rd.	38115	77 - G	50 Pound
9/11/2013	Chuck E. Cheese	3649 Hickory Hill Rd.	38115	77 - G	75 Pound
9/11/2013	Corned Beef House	2250 Airways Blvd.	38114	53 - M	5 Gallons
9/11/2013	Elvis Mart	3820 S. Mendenhall Rd.	38115	76 - M	20 Pound
9/11/2013	Headstart - Hillview	2107 Alcy Rd.	38114	53 - P	50 Pound
9/11/2013	Krystal	7073 Winchester Rd.	38125	149 - G	300 Gallons
9/11/2013	Legaci Bistro Lounge	2291 Airways Blvd.	38114	53 - M	70 Pound
9/11/2013	Makeda's Homemade Cookies	2370 Airways Blvd.	38114	53 - R	0
9/11/2013	Marisco's El Quetzal	5855 Winchester Rd.	38115	77 - F	150 Pound
9/11/2013	MCS - Charjean ES	2140 Charjean Rd.	38114	53 - M	20 Pound
9/11/2013	Popeyes	1370 Union Ave.	38104	36 - E	1000 Gallons
9/11/2013	Power Center Academy	5449 Winchester Rd.	38115	76 - H	2000 Gallons
9/11/2013	Shark's Fish and Chicken	3659 Hickory Hill Rd.	38115	77 - G	200 Gallons
9/11/2013	Smoothie King	3586 Riverdale Rd.	99999	149 - C	70 Pound
9/12/2013	Big Dip Dairy Bar	2391 Airways Blvd.	38114	53 - R	7 Gallons
9/12/2013	Church's Fried Chicken	2405 Airways Blvd.	38114	53 - R	300 Gallons
9/12/2013	Cookie Bakery	6063 Winchester Rd.	38115	77 - H	30 Pound
9/12/2013	Hickory Ridge Mall Food Court	6075 Winchester Rd.	38115	77 - G	1000 Gallons

Inspection Date	Facility Name	Address	Zip Code	Map Book	GRE
9 /12/2013	Incredible Pizza Co.	6075 Winchester Rd.	38115	77 - G	2000 Gallons
9 /12/2013	Just Us Kids Daycare & Learning Cent	2244 Alcy Rd.	38114	53 - R	0
9 /12/2013	King Buffet	3678 Ridgeway Rd.	38115	77 - H	225 Gallons
9 /12/2013	Krispy Kreime Donuts	6255 Winchester Rd.	38115	77 - H	1000 Gallons
9 /12/2013	Kroger	3830 Hickory Hill Rd.	38115	77 - G	1350 Gallons
9 /12/2013	MCS - Alcy Rd. ES	1750 Alcy Rd.	38114	53 - O	300 Gallons
9 /12/2013	MCS - Hickory Hill ES	3890 Hickory Hill Rd.	38115	77 - L	500 Gallons
9 /12/2013	OUT OF BUSINESS	3674 Ridgeway Rd.	38115	77 - H	50 Pound
9 /12/2013	Smile Donut	1990 Poplar Ave.	38104	36 - C	100 Pound
9 /12/2013	Southern Hands	6025 Winchester Rd.	38115	77 - H	1000 Pound
9 /12/2013	Supermercado El Rey II	3699 Hickory Hill Rd.	38115	77 - G	20 Pound
9 /12/2013	Supply Chain Solutions LLC	2300 Sifter St.	38114	53 - O	70 Pound
9 /13/2013	4 Kings Burgers and Wings	6661 Winchester Rd.	38115	149 - F	50 Pound
9 /13/2013	April House Restaurant	2222 Lloyd St.	38114	53 - L	0
9 /13/2013	Broadway Pizza	627 S. Mendenhall Rd.	38117	46 - G	250 Gallons
9 /13/2013	Burger King	5305 Winchester Rd.	38115	76 - H	200 Gallons
9 /13/2013	Burger King	5305 Winchester Rd.	38115	76 - H	750 Gallons
9 /13/2013	Franklin World of Knowledge	5750 Winchester Rd.	38115	77 - F	30 Pound
9 /13/2013	Future Generations	3837 Mendenhall Rd. S.	38115	76 - M	0
9 /13/2013	G & M Fish Deli #1	1672 Alcy Rd.	38114	53 - O	70 Pound
9 /13/2013	Jr. Fish & Chicken	5860 Winchester Rd.	38115	77 - F	750 Gallons
9 /13/2013	Kabob Int'l	8050 Dexter Rd.	38016	136 - P	30 Pound
9 /13/2013	Kelvin's/Hibbles Hot Wings	8050 Dexter Rd.	38016	136 - P	40 Pound
9 /13/2013	Lareal La Michoacana	6635 Winchester Rd.	38115	149 - F	40 Pound
9 /13/2013	Love Temple Child Enrichment Center	1793 Ball Rd.	38114	53 - O	10 Pound
9 /13/2013	Wendy's	6260 Winchester Rd.	38115	77 - H	250 Gallons
9 /16/2013	Corner Food Mart	1796 Lamar Ave.	38114	43 - B	30 Pound
9 /16/2013	Corner Food Mart	1796 Lamar Ave.	38114	43 - B	120 Gallons

Inspection Date	Facility Name	Address	Zip Code	Map Book	GRE
9 /16/2013	Costco Wholesale Club	2431 Germantown Pkwy.	38016	134 - R	250 Gallons
9 /16/2013	Costco Wholesale Club	2431 Germantown Pkwy.	38016	134 - R	750 Gallons
9 /16/2013	MCS - Hanley Elementary	680 Hanley St.	38114	44 - E	350 Gallons
9 /16/2013	Merryland Day Care	2549 Carnes Ave.	38114	44 - E	0
9 /16/2013	OUT OF BUSINESS	2617 Carnes Ave.	38114	44 - F	70 Pound
9 /16/2013	Rincon Catracho	1456 Wells Station Rd.	38108	24 - N	50 Pound
9 /16/2013	Wells Station Food Mart	1470 Wells Station Rd.	38108	24 - N	20 Pound
9 /16/2013	Wendy's	8092 Rock Creek Cv.	38016	134 - P	1000 Gallons
9 /16/2013	Wing Factory, The	2280 Park Ave.	38114	43 - M	80 Pound
9 /17/2013	El Mercadito	3766 Ridgeway Rd.	38115	77 - H	40 Pound
9 /17/2013	Houstons Restaurant	5000 Poplar Ave.	38117	46 - G	250 Gallons
9 /17/2013	Inner City Market	903 Jackson Ave.	38105	28 - H	100 Pound
9 /17/2013	It's a Small World Christian Academy	1647 Semmes St.	38114	54 - L	0
9 /17/2013	Lamar Quick Stop	2560 Lamar Ave.	38114	44 - N	0
9 /17/2013	MCS - Hickory Hill MS	3920 Ridgeway Rd.	38115	77 - M	150 Gallons
9 /17/2013	Memphis Candlelight Ballroom	3015 Park Ave.	38114	44 - L	15 Pound
9 /17/2013	Memphis Wings & Grill	1472 Florida St.	38109	41 - L	100 Pound
9 /17/2013	OUT OF BUSINESS	3650 Ridgeway Rd.	38115	77 - H	50 Pound
9 /17/2013	S & S Live Catfish Market	2656 Lamar Ave.	38114	54 - B	0
9 /18/2013	A & B CK Foodmart	2134 Lamar Ave.	38114	43 - M	200 Gallons
9 /18/2013	A Game Restaurant & Grill	6642 Winchester Rd.	38115	149 - F	500 Gallons
9 /18/2013	Burger King	2348 Lamar Ave.	38114	43 - R	200 Gallons
9 /18/2013	Casablanca	4672 American Way	38118	67 - B	750 Gallons
9 /18/2013	In & Out Tabaco & Deli	2274 Lamar Ave.	38114	43 - M	100 Pound
9 /18/2013	Inner City Market	903 Jackson Ave.	38105	28 - H	100 Pound
9 /18/2013	Kinder Care	6424 Raines Rd.	38115	152 - A	50 Pound
9 /18/2013	Kirby Food & Fuel	4138 Kirby Pkwy.	38115	149 - N	40 Pound
9 /18/2013	Learn and Play Childcare	3874 Kirby Pkwy.	38115	149 - J	30 Pound

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>GRE</b>
9/18/2013	Save on Gas & Tobacco	6444 Raines Rd.	38115	77 - R	15 Pound
9/18/2013	Sonic Drive-In	4130 Kirby Pkwy.	38115	149 - N	40 Pound
9/18/2013	Sonic Drive-In	4130 Kirby Pkwy.	38115	149 - N	300 Gallons
9/18/2013	St. Luke Baptist Church	1641 Keating St.	38114	44 - N	200 Gallons
9/19/2013	Café Cali	74 N. Cleveland St.	38104	36 - A	100 Pound
9/19/2013	Captain JJ Fish & Chicken	2757 Kimball St.	38114	54 - B	750 Gallons
9/19/2013	Hickory Hill Community Center	3910 Ridgeway Rd.	38115	77 - M	500 Gallons
9/19/2013	Lareal La Michoacana	6635 Winchester Rd.	38115	149 - F	40 Pound
9/19/2013	MCS - Bethel Grove ES	2459 Arlington Ave.	38114	54 - A	250 Gallons
9/19/2013	MCS - Kirby HS	4080 Kirby Pkwy.	38115	149 - N	300 Gallons
9/19/2013	MCS - Kirby MS	6670 Raines Rd.	38115	152 - A	500 Gallons
9/19/2013	New Beginning Childcare	2657 Frisco Ave.	38114	54 - J	0
9/19/2013	Slice of Heaven Bakery	4287 Summer Ave.	38122	32 - N	100 Pound
9/19/2013	Speedy's Grocery	1341 Airways Blvd.	38114	43 - M	40 Pound
9/19/2013	Sub Shop	3316 Summer Ave.	38122	31 - N	500 Gallons
9/19/2013	Sunpower Donuts	2780 Lamar Ave.	38114	54 - B	70 Pound
9/19/2013	Winchester Farmers Market	6616 Winchester Rd.	38115	149 - E	1000 Gallons
9/19/2013	Woodstock Express	5341 Hwy 51 N.	38127	118 - D	40 Pound
9/19/2013	World Overcomers	6655 Winchester Rd.	38115	149 - E	300 Gallons
9/20/2013	1-2-3 Learning Academy	2295 Boyle Ave.	38114	53 - D	0
9/20/2013	4 Dumplings	6515 Poplar Ave.	38119	58 - A	70 Pound
9/20/2013	A & R BBQ	3721 Hickory Hill Rd.	38115	77 - G	50 Pound
9/20/2013	Crumpy's Home Cooking	1584 Alcy Rd.	38114	53 - N	10 Pound
9/20/2013	Ellen Soul Food	634 Bellevue Blvd.	38104	35 - M	100 Pound
9/20/2013	Elvis Mart	3820 S. Mendenhall Rd.	38115	76 - M	20 Pound
9/20/2013	James & Jack Catfish Shack	3706 Mendenhall Rd.	38115	76 - H	50 Pound
9/20/2013	Joyful Learning	2405 Frisco Ave.	38114	54 - E	0
9/20/2013	King Buffet	3678 Ridgeway Rd.	38115	77 - H	225 Gallons

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>GRE</b>
9/20/2013	Kroger	3830 Hickory Hill Rd.	38115	77 - G	1350 Gallons
9/20/2013	Las Delicias Taqueria	3729 S. Mendenhall Rd.	38115	67 - R	20 Pound
9/20/2013	Magic Kingdom Learning Academy	2110 Airways Blvd.	38114	53 - M	0
9/20/2013	Moe's Stop & Go	2337 Airways Blvd.	38114	53 - R	750 Gallons
9/20/2013	Raiford's Wings	7020 Shelby Dr.	38125	152 - L	200 Gallons
9/20/2013	Subway	6744 Winchester Rd.	38115	149 - F	50 Pound
9/20/2013	Z Market	5393 Winchester Rd.	38115	76 - H	60 Pound
9/23/2013	Bailey's Executive Catering	5992 Knight Arnold Rd.	38115	68 - P	300 Gallons
9/23/2013	Burger King	6869 Winchester Rd.	38115	149 - F	200 Gallons
9/23/2013	County Line	6977 Winchester Rd.	38115	149 - G	0
9/23/2013	El Gallo Giro	3096 Lamar Ave.	38114	54 - P	20 Pound
9/23/2013	Fresh Slices Deli	1583 Overton Park Ave.	38112	29 - O	40 Pound
9/23/2013	Honey Baked Ham	6825 Winchester Rd.	38115	149 - F	10 Gallons
9/23/2013	Kinder Care	5960 Knight Arnold Rd.	38115	68 - P	0
9/23/2013	MCS - Snowden School	1870 N. Parkway	38112	29 - L	350 Gallons
9/23/2013	OUT OF BUSINESS	6705 Winchester Rd.	38115	149 - F	99
9/23/2013	Sneaky Pete's	6665 Winchester Rd.	38115	149 - F	50 Pound
9/23/2013	Tiger Food Mart	2348 Deadrick Ave.	38114	43 - R	20 Pound
9/23/2013	Tops BBQ	5144 Poplar Ave.	38117	46 - M	1000 Gallons
9/24/2013	A & J's Catfish Station	5950 Knight Arnold Rd.	38115	68 - P	200 Gallons
9/24/2013	Burger King	2912 Hickory Hill Rd.	38115	68 - F	300 Gallons
9/24/2013	Costco Wholesale Club	2431 Germantown Pkwy.	38016	134 - R	250 Gallons
9/24/2013	Costco Wholesale Club	2431 Germantown Pkwy.	38016	134 - R	750 Gallons
9/24/2013	Crump's Hot Wings	3110 Mendenhall Rd.	38115	67 - M	50 Pound
9/24/2013	Exxon - Hop In	2346 Summer Ave.	38112	30 - J	200 Gallons
9/24/2013	Mega Foods	3151 Mendenhall Rd.	38115	67 - M	5 Gallons
9/24/2013	Memphis Best Wings	3101 Mendenhall Rd.	38115	67 - M	400 Gallons
9/24/2013	OUT OF BUSINESS	4308 Macon Rd.	38122	31 - C	2000 Gallons

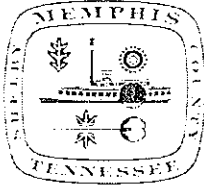


Inspection Date	Facility Name	Address	Zip Code	Map Book	CRE
9 /24/2013	Rhodes College (Lynx Lair)	2000 N. Parkway	38112	29 - M	250 Gallons
9 /24/2013	Rhodes Dining Hall	2000 N. Parkway	38112	29 - M	2000 Gallons
9 /24/2013	Starbucks Coffee - Rhodes Library	2000 N. Parkway	38112	29 - M	25 Pound
9 /25/2013	Amigo Restaurant	3121 Mendenhall Rd. S.	38115	67 - M	200 Gallons
9 /25/2013	C-Fu Chinese Restaurant	3135 Mendenhall Rd. S.	38115	67 - M	50 Pound
9 /25/2013	C-Fu Chinese Restaurant	3135 Mendenhall Rd. S.	38115	67 - M	60 Pound
9 /25/2013	Heritage Place Ltd.	2990 Hickory Hill Rd.	38115	68 - F	1000 Gallons
9 /25/2013	La Petite Academy	2914 Hickory Hill Rd.	38115	68 - F	30 Pound
9 /25/2013	Memphis Zoo - Alton's BBQ	2000 Galloway Ave.	38112	29 - M	3 Gallons
9 /25/2013	Memphis Zoo - Bamboo Grill	2000 Galloway Ave.	38112	29 - M	200 Gallons
9 /25/2013	Memphis Zoo - Cat House Café	2200 Prentiss Pl.	38112	29 - L	200 Gallons
9 /25/2013	Memphis Zoo - Expo	2000 Galloway Ave.	38112	29 - M	70 Pound
9 /25/2013	Memphis Zoo - Outpost	2000 Galloway Ave.	38112	29 - L	0
9 /25/2013	Papa John's	2757 Mendenhall Rd.	38115	67 - D	30 Gallons
9 /25/2013	Sensational Enlightenment	2735 Mendenhall Rd.	38115	67 - D	0
9 /25/2013	Showboat BBQ	3200 Hickory Hill Rd.	38115	68 - O	500 Gallons
9 /25/2013	Subway	2838 Hickory Hill Rd.	38115	68 - F	50 Pound
9 /25/2013	Wal-Mart Market	2856 Hickory Hill Rd.	38115	68 - F	750 Gallons
9 /26/2013	Amigo Restaurant	3121 Mendenhall Rd. S.	38115	67 - M	200 Gallons
9 /26/2013	BP	3156 Mendenhall Rd.	38115	67 - M	30 Pound
9 /26/2013	Building Blocks	5400 Knight Arnold Rd.	38115	67 - R	0
9 /26/2013	Citigo Express	5372 Knight Arnold Rd.	38115	67 - M	0
9 /26/2013	Dorothy's Place	3185 Hickory Hill Rd.	38115	68 - K	500 Gallons
9 /26/2013	Ellen Soul Food	634 Bellevue Blvd.	38104	35 - M	100 Pound
9 /26/2013	Fuel Express	2389 Summer Ave.	38112	30 - J	0
9 /26/2013	Great Wall Restaurant	2838 Hickory Hill Rd.	38115	68 - F	50 Pound
9 /26/2013	OUT OF BUSINESS	3116 Mendenhall Rd.	38115	67 - M	50 Pound
9 /26/2013	Pizza Hut	5376 Knight Arnold Rd.	38115	67 - M	20 Pound

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>GRE</b>
9/26/2013	Subway	2388 Summer Ave.	38112	30 - J	50 Pound
9/26/2013	Summer Ave. Market	3078 Summer Ave.	38112	30 - R	0
9/26/2013	Taco Bell	5320 Knight Arnold Rd.	38115	67 - M	300 Gallons
9/27/2013	4 Kings Burgers and Wings	6661 Winchester Rd.	38115	149 - F	50 Pound
9/27/2013	A Game Restaurant & Grill	6642 Winchester Rd.	38115	149 - F	500 Gallons
9/27/2013	Church's Fried Chicken	3264 Summer Ave.	38112	30 - R	750 Gallons
9/27/2013	Costco Wholesale Club	2431 Germantown Pkwy.	38016	134 - R	250 Gallons
9/27/2013	Costco Wholesale Club	2431 Germantown Pkwy.	38016	134 - R	750 Gallons
9/27/2013	Franklin World of Knowledge	5750 Winchester Rd.	38115	77 - F	30 Pound
9/27/2013	James's Lounge	3172 Summer Ave.	38112	30 - R	0
9/27/2013	Mapco Express	3278 Summer Ave.	38112	30 - R	50 Pound
9/27/2013	Memphis Olive Oil Co.	4615 Poplar Ave.	38117	46 - E	70 Pound
9/27/2013	OUT OF BUSINESS	3103 Summer Ave.	38112	30 - R	0
9/27/2013	Quince Road Church of Christ	6384 Quince Rd.	38119	57 - R	20 Pound
9/27/2013	Simply Delicious	767 E. Brookhaven Cir.	38117	46 - M	100 Pound
9/27/2013	Sonic Drive-In	4130 Kirby Pkwy.	38115	149 - N	40 Pound
9/27/2013	Sonic Drive-In	4130 Kirby Pkwy.	38115	149 - N	300 Gallons
9/27/2013	Summer Grocery	3083 Summer Ave.	38112	30 - R	20 Pound
9/30/2013	Asian Garden Restaurant	5992 Mt. Moriah Rd.	38115	68 - G	30 Pound
9/30/2013	Courtyard Lenox Park	3076 Kirby Pkwy.	38115	146 - J	1000 Gallons
9/30/2013	D.J. Food Store	3152 Johnson Ave.	38112	37 - D	0
9/30/2013	De La Salle Catholic School	2568 Hale Rd.	38112	37 - A	200 Gallons
9/30/2013	Fox Ridge Market #1	5963 Knight Arnold Rd.	38115	68 - P	0
9/30/2013	Knight Arnold Grocery	5405 Knight Arnold Rd.	38115	67 - L	50 Pound
9/30/2013	Kreative Kids	3191 Jackson Ave.	38112	30 - D	0
9/30/2013	MCS - Central Nutrition C	3176 Jackson Ave.	38112	30 - D	1000 Gallons
9/30/2013	Southern Food Service	1001 Trillman St.	38112	30 - C	500 Gallons
9/30/2013	Stop & Shop	3193 Mendenhall Rd.	38115	67 - M	0

<b>Inspection Date</b>	<b>Facility Name</b>	<b>Address</b>	<b>Zip Code</b>	<b>Map Book</b>	<b>CRE</b>
9/30/2013	Taqueria Garibaldi's	5967 Knight Arnold Rd.	38115	68 - P	30 Pound
9/30/2013	This Little Light of Mine	5421 Knight Arnold Rd.	38115	67 - R	0

**Appendix C**  
**Food Establishment Application**



City of Memphis Division of Public Works, Environmental Food Establishment Wastewater Discharge Program

2303 N. Second St., Memphis, TN 38127 ~ 901-636-4328 / Fax 901-636-4325

Section 33-112-04 of the Sewer Use Ordinance requires Food Establishments (FEs) to complete and submit this Permit Application to the Program

Existing Building? YES / NO New Facility? YES / NO New Construction? YES / NO

(Name of Food Establishment) (Applicant Name)

(Street Address) (City) (Zip Code) (Phone Number)

FE Type (ex. Fast Food, Full Service, Church, Daycare, Cafeteria, etc.):

Daily Food Preparation Times:

(Mon.) (Tue.) (Wed.) (Thur.) (Fri.) (Sat.) (Sun.)

Description of food preparation:

Seating Capacity: # Employees Size of Kitchen:

Est. Oils & Grease to be Used (gals/day or lbs/day) (Length) (Width) (Total Area) (Average) (Max)

Estimated Wastewater Discharge Rate [GPD]:

List of Equipment (Number of Each Type):

(Deep Fryers) (Broilers/Grills) (Stoves/Ranges) (Ovens) (Woks) (Hoods) (Dishwashers) (Garbage Disposals) (3-Comp. Sinks) (2-Comp. Sinks) (Mop Sinks) (Other Sinks) (Grease Removal Eqmt) (Strainers) (Cleanout Caps)

(Other Equipment)

\*Proposed Grease Removal Eqmt (GRE) size or sizes:

Engineer or Architect Name & Contact Info:

Contractor Name & Contact Info:

Important Anticipated Dates

Start of Construction: GRE Installations: (Start Date) (End Date)

Const. Completed: FE Open for Business:

Scaled plan showing locations of equipment that use FOG, GREs, sewer lines from kitchen to sewer connection and any other support documents for this application must be attached to this form.

For official use only. Was adequate information provided? YES / NO. (Reviewer Name) (Date Reviewed) Date Requested Addnl Info. Application approved? YES / NO (Signature/Date). Comments:

\* Section 33-112-01 - Design Criteria. All grease traps used in conjunction with food service establishments shall have the capacity of 15 gallons per seat, except that no single grease trap shall be smaller than 750 gallons or larger than 3000 gallons. In certain cases, multiple grease traps may be utilized. Alternative treatment technologies will be considered on a case-by-case basis for food establishments that are to be located in an existing building where a large grease trap is not feasible.

**Appendix D**  
**Food Establishment Permit**



The City of Memphis, Division of Public Works, Environmental  
Food Establishment Wastewater Discharge Program Permit

664 St. Jude Place Memphis, TN 38105  
Phone: (901) 636-4301 Fax: (901) 528-2842

EFFECTIVE DATE: \_\_\_\_\_

EXPIRATION DATE: \_\_\_\_\_

Applicant (Owner) Name: \_\_\_\_\_ Phone No.: \_\_\_\_\_

Food Establishment (FE) Name: \_\_\_\_\_

FE Address: \_\_\_\_\_ FE Type: \_\_\_\_\_

Maximum Seating Capacity: \_\_\_\_\_ Number of Employees: \_\_\_\_\_ Op. Hrs./Days Open: \_\_\_\_\_

EQUIPMENT AT FOOD ESTABLISHMENT LOCATION

___ Deep Fryers	___ Broilers/Grills	___ Stoves/Ranges	___ Ovens
___ Woks	___ Hoods	___ Dishwashers	___ Garbage Disposals
___ 3-Comp. Sinks	___ 2-Comp. Sinks	___ Mop Sinks	___ Other Sinks
___ Grease Removal Equipment (GRE)*	___ GRE Strainer	___ GRE Cleanout Cap	

\* Note: only one (1) GRE per Permit

Minimum GRE Cleaning Frequency: \_\_\_\_\_

GRE Type: \_\_\_\_\_

GRE Capacity Rating: \_\_\_\_\_ [lbs.] or \_\_\_\_\_ [gals.]

GRE Location: \_\_\_\_\_

\_\_\_ Used Grease & Oil Recycle Bin Grease Recycling Co. Name: \_\_\_\_\_

VARIANCES GRANTED BY PROGRAM

LOCATION SPECIFIC - PERMIT CONDITIONS:  
\_\_\_\_\_

GRE Required: Yes or No / Required GRE Cap.: \_\_\_\_\_ / FE Allowed to Clean GRE: Yes or No

I hereby certify that the above information is correct; and that I am aware that changes in any of the above information will require a re-application and possible increase in the size or type of GRE required. In addition, I agree to abide by the General Permit Conditions and the City Sewer Use Ordinance; and to have the grease interceptor pumped out a minimum of once per month by a certified grease trap cleaning company, or as approved in LOCATION SPECIFIC - PERMIT CONDITIONS, to maintain the GRE in proper operating condition, as noted in the permit. This permit is valid only for the specific FE, FE location, ownership, GRE, equipment, processes and/or operations indicated above. As such, this permit cannot be sold, transferred or reassigned.

Name (Print): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
(Representing the Food Establishment)

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
(Representing the City of Memphis, Division of Public Works)

## Section 33-112-01 of the Food Establishment Wastewater Discharge Ordinance

- A. Grease Trap Required: All food service establishments discharging wastewater to the City's wastewater facilities shall install, operate, and maintain a sufficiently sized oil and grease, water and solids separator (hereinafter called grease trap) necessary to achieve and maintain compliance. Approval of the City of Memphis, Public Works Division will be required during the construction plans approval process.
- B. Design Criteria: All grease traps used in conjunction with food service establishments shall have the capacity of 15 gallons per seat, except that no single grease trap shall be smaller than 750 gallons or larger than 3000 gallons. In certain cases, multiple grease traps may be utilized. Alternative treatment technologies will be considered on a case-by-case basis for food establishments that are to be located in an existing building where a large grease trap is not feasible.
- C. General Permit to Discharge: All food establishments will obtain a permit to discharge to the wastewater system from the Division of Public Works. This permit will be posted on the premises and renewed as needed. The permit will require the permit holder to comply with the following requirements:

### GENERAL PERMIT CONDITIONS

- 1. Retain this permit on the premises and make available upon request. [Section 33-112-01C]
- 2. Have grease removal equipment (GRE) intercept the waste lines leading from all sinks, drains, appliances, and other fixtures or equipment used in food preparation or cleanup where fat, oil, grease or greasy matter may be introduced into the sewer system. [Section 33-112-08]
- 3. Confine all processes that may introduce fat, oil, grease, and greasy matter into the sewer to fixtures connected to GRE. [Section 33-112-08]
- 4. No matter containing more than 500 mg/L of oil and grease or that might otherwise obstruct the sewer flow, nor any matter that might create a hazardous condition may be discharged into the sewer system. [Sections 33-112-02, 33-112-08 and 33-112-09]
- 5. Maintain GRE in efficient operating condition by periodic removal of the accumulated grease and solids. No such collected material shall be introduced into any drainage pipe or public sewer. [Section 33-112-08]
- 6. Maintain a GRE cleaning log or save maintenance receipts. Retain on the premises for a period of no less than two (2) years. [Section 33-112-09]
- 7. Provide a collection drum or other container for maximum segregation of fat, oil, and grease. [Section 33-112-08]
- 8. Implement and post a grease spill control plan when required. [Section 33-112-08]
- 9. You must notify the Food Establishment Wastewater Discharge (FEWD) Program within 14 days at (901) 636-4301 of any;
  - a. Sale, lease, transfer, or reassignment of premise or operation [Section 33-112-06]
  - b. Change of facility name [Section 33-112-06]
  - c. Material changes in food preparation or kitchen practices and/or addition of equipment that requires and/or generates fats, oils, or grease. [Section 33-112-06]
- 10. You must notify the Food Establishment Wastewater Discharge (FEWD) Program within five (5) days at (901) 636-4301 of any spills that result in the discharge of fats, oils, or grease to the sewer system
- 11. You must allow City representative(s) ready access at all reasonable times to all parts of the premises for purpose of sampling and inspection. [Sections 33-112-09, 33-141 and 33-143]
- 12. Permit is non transferable; any sale, lease, transfer, or assignment of the premise or operation for which it was issued shall require a new permit. [Section 33-112-06]
- 13. The terms and conditions of the permit are subject to modifications and change by the City during the life of the permit. [Section 33-112-05]
- 14. Any person(s) who knowingly makes any false statement or representation, or submits any false record, report, plan, or other document shall be guilty of violating the City of Memphis Sewer Use Ordinance.
- 15. Any person(s) discharging wastewater in violation of the Food Establishment Wastewater Ordinance or FEWD Permit is subject to fines, civil penalties, cost recovery, injunction, termination of sewer service, permit revocation and/or such other remedies as are available to the Director. [Section 33-112-10]



**Appendix E**  
**GRE Maintenance Log**



**Appendix F**  
**Inspection Checklist/NOV**



The City of Memphis, Division of Public Works, Environmental  
Food Establishment Wastewater Discharge  
Inspection Checklist / Notice of Violation

Business Name: \_\_\_\_\_ Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Inspection Type: Initial / Annual / Follow-up / Other

- 1. Permit **unavailable**. [Section 33-112-01C]
- 2. Maintenance Log **unavailable** or **incomplete**. [Section 33-112-09]
- 3. Food Establishment Sold, Transferred, or Re-assigned. [Section 33-112-06]
- 4. Inspector denied reasonable access. [Section 33-112-09]
- 5. Violation of location specific – permit conditions. [Section 33-112-08]

Nos. 1, 2, 3, 4, or 5 is immediate failure due to negligence of Permit Conditions and the Sewer Use Ordinance

6. GRE Size \_\_\_\_\_ [ lbs. or gals. ]                      8. Total depth \_\_\_\_\_ [ft.- in.]  
7. GRE Location \_\_\_\_\_                      9. Thickness of accumulated grease \_\_\_\_\_ [ft.- in.]

No. 9 (above) greater-than or equal to 1/3 of No. 8 (above), therefore, GRE is not being properly maintained and must be cleaned within two (2) weeks.

10. Amount of grease build up on interior walls of the trap approximately \_\_\_\_\_ [inches]

No. 10 (above) is deemed to be excessive; trap must be cleaned within two (2) weeks.

11. Current grease trap cleaning frequency \_\_\_\_\_ Date Last Cleaned \_\_\_\_\_

Increase grease trap cleaning frequency from \_\_\_\_\_ to \_\_\_\_\_. (Notify Program Mgr.)

Reason for cleaning frequency increase \_\_\_\_\_

12. Which of the following fixtures are incorporated in the trap?

Baffle \_\_\_\_ / Invert or vent pipe \_\_\_\_ / Inspection plate \_\_\_\_ / Other (specify) \_\_\_\_\_

13. Condition of baffle (where applicable)

- Excessive grease build-up (baffle must be cleaned).
- Excessive rust or other physical flaws (baffle must be replaced).
- Improperly installed (baffle must be re-installed correctly).

14. Strainers & Clean-out Caps

Missing or damaged strainers must be replaced at (specify locations) \_\_\_\_\_

Missing or damaged clean out caps must be replaced at (specify locations) \_\_\_\_\_

15. Inspection Results

- Inspection Passed
- Inspection Failed – Take corrective measures as indicated above.
- Inspection Failed due to Nos. 1 or 3, and possibly No. 5 requires new permit to be issued.

Civil Penalty Served Civil Penalty No. \_\_\_\_\_ Date Served \_\_\_\_\_

A follow-up inspection will be conducted on \_\_\_\_\_ to ensure compliance with the corrective measures indicated above. If required, a new permit will be issued at this time.

**Any person(s) discharging wastewater in violation of the Food Establishment Wastewater Ordinance or FEWD Permit is subject to fines, civil penalties, cost recovery, injunction, termination of sewer service, permit revocation and/or such other remedies as are available to the Director. [Section 33-112-10]**

Comments \_\_\_\_\_

Inspection Conducted by: \_\_\_\_\_ [Phone No. (901) 576-4328]

Notice of Violation Received by: \_\_\_\_\_ Date Received \_\_\_\_\_

**Appendix G**  
**NOV / Citation**



Citation

**City of Memphis Division of Public Works – Food Establishment Wastewater Discharge Inspection**

Name of Business \_\_\_\_\_  
Address \_\_\_\_\_  
Contact Person \_\_\_\_\_  
Date \_\_\_\_\_ Time \_\_\_\_\_ Phone Number \_\_\_\_\_

On \_\_\_\_\_, a compliance inspection was conducted at the above location. The inspection resulted in a status of 'failed,' and corrective measures were imposed, as follows:

- Clean the grease trap/sump
- Clean, replace, or repair baffle
- Replace missing/damaged strainers
- Replace missing/damaged clean-out caps
- Compliance with Location Specific—Permit Conditions
- Other \_\_\_\_\_
- Reapply for Permit
- Allow reasonable access to inspectors
- Recover maintenance logs
- Install adequate grease removal equipment

As of this date and time, the required corrective measures have not been completed.

Pursuant to the City of Memphis, Sewer Use Ordinance, a fine is now imposed in the amount of \$ \_\_\_\_\_ . Remittance must be made within 30 (thirty) days of the date on this citation.

City of Memphis/FOG Enforcement  
Make Payment To: 125 S. Main St #620  
Memphis, TN 38103

Make check payable to City of Memphis. Include citation number on check.

Furthermore, the corrective measures requirement remains in effect. Another inspection will be conducted on \_\_\_\_\_ to ensure compliance. Any person(s) discharging wastewater in violation of the Food Establishment Wastewater Ordinance or FEWD Permit is subject to fines, penalties, cost recovery, injunction, termination of sewer service, permit revocation, and/or such other remedies as are available to the Director.

X \_\_\_\_\_  
City of Memphis

I have received a copy of this Citation.

X \_\_\_\_\_ X \_\_\_\_\_  
Print Signature

**Appendix H**  
**Approved Waste Haulers**

**Permitted Waste Haulers  
Memphis / Shelby County**

Permit #	Expiration Date	Company Name	Owner's Name	Company Address	Phone	Registration #	Truck Billing #	Capacity Gallons			
1	5/1/2014	Holmes Services	Randy Holmes	5301 HWY 51 North Memphis, TN 38127	901-357-1200	TNH507404	01-001	2200			
						TNP306398	01-002	2300			
						TNP504079	01-003	2300			
						TNH700764	01-004	2900			
						TNH501409	01-005	2700			
						TNH501408	01-006	2000			
						TNH700741	01-007	3500			
						TNH700744	01-008	3500			
						TNH700743	01-009	2000			
						TNP702188	01-010	2300			
TNH507403	01-011	2200									
2	1/12/2014	Budget Septic Tank Servics	Carol Edwards	1162 Marshall Road	901-837-0503	TN02895	02-046	1300			
				Brighton, TN 38011	901-573-4380						
3	5/1/2014	Jim's Tank Service LLC	J. Lance Berryhill	4471 Portersville Road	901-357-7237	TN01403787	03-014	3200			
				Atoka, TN 38004		TN01403780			03-015	3397	
				P.O.Box 281431		TN01403786			03-016	3000	
				Trucks are located at 435 Dacus, Marian AR 72364		brandy			TN01403781	03-017	3249
				Memphis, TN 38168		TN01403788			03-018	3000	
						TN01403782			03-078	6000	
TN80601485	03-026	3150									
4	5/1/2014	ABC Septic Tank Service	Paul Bennett 901-626-6680	779 HWY 309 North	662-838-4433	MSB36-1214	04-019	3500			
				P O Box 344 Byhalia, MS 38611							
5	10/5/2014	Hill Services Industrial & Environment	Tim Smith <a href="mailto:tsmith@hillshere.com">tsmith@hillshere.com</a>	4940 Covington Way	901-388-7500	TN02919HV	05-020	3200			
				Memphis, TN 38128	901-722-8843	TN58402HY	05-021	3000			
						TNT451158	05-022	5500			
						TN00957HU	05-023	3300			
						TN00885HU	05-024	2500			
							05-030	3200			
							05-093	3300			
			05-094	3000							
			05-097	3200							
6											



**Permitted Waste Haulers  
Memphis / Shelby County**

Permit #	Expiration Date	Company Name	Owner's Name	Company Address	Phone	Registration #	Truck Billing #	Capacity Gallons
7	9/10/2014	Jolly Septic Service	Mike Jolly	2941 Terry Lane South Covington, TN 38019	901-553-2454	H310290	07-034	1700
8	3/22/2014	Roger Pumping Service	Joe Gifford	374 Fairway Oaks Drive Hernando, MS 38632	901-357-5306 901-487-1112	B2656439 B2656438 B2657556	08-029 08-089 08-049	2100 2100 2000
9								
10	5/1/2014	Liquid Waste Removal	Steve Reyna	P O Box 168 Marion, AR 72364	870-636-2243	ARD314092	10-059	2970
11	6/17/2014	Performance Contracting	James Loeffel <a href="mailto:bo.loeffel@pcg.com">bo.loeffel@pcg.com</a>	1877 Vanderhorn Drive Memphis, TN 38134- 6329	901-377-3289	04585-HW 01866-HU 08604-HV 04586-HW 04587-HW 08602-HV 08603-HV	11-056 11-088 11-027 11-084 11-085 11-086 11-087	2400 1800 1800 2200 2200 1800 1800
<p align="center"><b>Effective 12/6/2010</b></p> <p><b>Note</b> Wastewater generated from City Contract sewer cleaning is acceptable without a manifest and disposal fee.</p> <p><b>Note</b> One truck is permitted to dispose of hauled waste from non city contracts with manifest and disposal fee, see truck disposal number and gallons</p>								
12	4/14/2014	Mid South Septic	Mike Jones	11284 Gulf Stream Road Arlington, TN 38002	901-867-2085 901-867-0350	TNP702190 TNP901501	12-032 12-033	2500 3300
					Draingo # 901-475-1997 Draingo # 901-476-2246 Mike Jones Cell 901-277-1862	41562	12-069	1800
13	9/10/2014	Upchurch Services, LLC	Shane Sexton	1792Dancy Blvd. West Horn Lake, MS 38637	901-388-0333 901-334-8455		13-035 13-036	2600 1300
14	5/1/2014	David Cleveland Pumping Co.	David Cleveland	6081 HWY 51 North Millington, TN 38053	901-353-4422 901-353-4474	TNP604405	14-037 14-073	2500 2800
15	5/1/2014	A-1 Septic Tank & Drain Srevice	Vernon Birmingham	6809 Peyton Road Coldwater, MS 38618	662-233-4565	MSB5033 MSB3650130 MSB361046 MSB46386 MSB452008 MSB46958	15-039 15-040 15-041 15-075 15-045 15-079	3600 2500 2500 3500 4000 3300
16	5/21/2014	Safety Quip	Mike Thielmier	3039 Broad Avenue Memphis, TN 38118	901-452-7040	TNH430020	16-013	1100
17								

**Permitted Waste Haulers  
Memphis / Shelby County**

Permit #	Expiration Date	Company Name	Owner's Name	Company Address	Phone	Registration #	Truck Billing #	Capacity Gallons
18	5/1/2014	AAA Pumping	Larry Hastings	2778 Shelby Bartlett, TN 38134	901-388-1867	TNP-3223	18-042	2000
19	5/1/2014	A-Rooter-Man Corporation D.B.A.	Brian McLaughlin	5075 Macon Road Memphis, TN 38122	901-681-0888 901-681-0414 901-461-8776	TNP9-3223 TNH4-24623	19-043 19-044	4000 2000
20	3/9/2013	Hill Services Plumbing & HVAC	Steve Palmer	4940 Covington Way Memphis, TN 38128	901-388-7500	A101615 A151573	20-030	2000
21		KJ Septic	Kathy Jackson	3520 HWY 19 East Ripley, TN 38063	731-612-0197		21-051	2000
22	3/1/2014	Layne Central Company	Steve Anderson	1212 University Street Memphis, TN 38108-1246	901-274-2324	TN00175PX	22-066	5000
23	5/1/2014	Snyder Services Plumbing	James L. Snyder	4881 English Towne Drive Memphis, TN 38128	901-452-5953	TNH430128 TNH417342	23-048 23-012	2300 1800
24	5/1/2014	Southern Distributors <a href="mailto:paul@washcars.us">paul@washcars.us</a>	Paul Walker	3090 Lamar Avenue Memphis, TN 38114	901-743-0023	P0002592 TN332-FFW	24-050	500
25	5/1/2014	Arrow Portable Services, Inc.	J. Clark Hudson III <a href="mailto:arrowportable@aol.com">arrowportable@aol.com</a>	4036 Homewood Road Memphis, TN 38118	901-360-0980	TNH303302 TNH310135	25-054 25-055 25-091	700 1000 950
26	5/1/2014	B & P Enterprises <a href="mailto:steve.klepzig@bandpent.com">steve.klepzig@bandpent.com</a>	Greg Vaughn	6230 Stateline Road Walls, MS 38680 P O Box 386 Southaven, MS 38671	662-781-2780	MS-A174835	26-098 26-077	3000 3000
27	10/9/2013	Lindy's Pumping Service fax 901-353-1437	Robert L. Fry <a href="mailto:robert_fry@att.net">robert_fry@att.net</a>	5219 Benjestown Road Memphis, TN 38127	901-353 - 3433 491-2300		27-067	5000
28	6/30/2014	Guy's Pumping	Joey Guy	250 Rae Drive Munford, TN 38058	901-461-2175 901-474-8859	H322280 H301755	28-052 28-053	1200 1200
29	10/23/2013	Thompson Industrial Services	Danny Allison	3331 One Place Memphis, TN 38116	901-362-7700	PU39490	29-028 29-061 29-063	5500 3000 3000
30	12/5/2013	Universal Environmental	Rick George driver - Jason Anderson <a href="mailto:janderson@universalenviron.com">janderson@universalenviron.com</a>	4000 I-55 Service Rd. W. Memphis 411 Dividend Dr. Peachtree, GA 30269	770-486-8816 404-597-6605 270-210-1095	GA-IP3924 GA-IP896U 9055DE 9148DD TL7417TX Truck GA-IP855U Truck GA-IP382U	30-101 30-102 30-103 30-104 30-105 30-106	3500 3000 3200 6000 6000 6000
31	6/14/2014	Property Maintenance, City of Memphis Division, General Services	Bill Wilson	281 East Parkway Memphis, TN 38122	901-576-4776		31-065	500
32	3/28/2014	Universal Transport Inc. Paid Through: Excel TSD	Steve Neal	11601 Ironton Cutoff Road Little Rock, AR P O Box 15655 Little Rock, AR 72231	501-888-6557	ARK K771234 ARK K763807 ARK K754972 ARK K775859	32-080 32-081 32-082 32-092	5500 5500 2500 5500

**Permitted Waste Haulers  
Memphis / Shelby County**

Permit #	Expiration Date	Company Name	Owner's Name	Company Address	Phone	Registration #	Truck Billing #	Capacity Gallons
33								
34	2/18/2014	Burt's Livestock	Burt Hodges	370 Watkins Cove, Marion AR 72364	662-310-7801	MS 71324A	34-064	6000
		<b>Subcontractor of Recycled Solutions</b>	Mark Huber	1054 Kansas Street, Memphis, TN 38106	901-493-1355	MS 71323A	34-070	6000
		Recycle Solutions	Renee Bione	<a href="mailto:mhuber@recyclesolutions.net">mhuber@recyclesolutions.net</a>	901-948-9500			
		Recycle Solutions	Cerita or Nicole - Billing fax		901-948-9500			
35	10/31/2013	Wash Services, Inc.	Joseph Lacey	4329 Red Oaks Dr. Horn Lake, MS 38637		MS	35-090	500
36		Wilson Enterprises <b>tenative permit</b>	Gary Wilson 201-9380				36-074	1300
37	6/13/2014	Clean Harbors Environmental Services <a href="mailto:Brown.Terry@cleanharbors.com">Brown.Terry@cleanharbors.com</a>	Terry Brown	5399 East Holmes Rd. Memphis, TN 38118	901-730-4193 267-3311	TN-G456HY	37-107	2500
38								
39	10/2/2013	Liquid Environmental Solutions	Frank Dean		858-401-9118		39-099	3,500
				Frank Dean, 501 Cave Rd. Nashville, TN 37210	205-217-6600		39-100	6,000
40	6/30/2013	Griffin Industries Inc	Dennis Sigman	3026 South Center Road Memphis, TN 38109	901-396-3191 800-844-9361		40-060	6000
41								
42	4/11/2014	Rothchild Pumping and Hydro	Jerry Rogers	541 Bradley Lane Bath Spring, TN 38311	901-652-8954	129 XHY	42-057	900

**Appendix I**  
**Waste Hauling Permit**

**City of Memphis, Division of Public Works  
Agreement to Discharge Hauled Waste  
Permit # 000000**

1. **Company Name:**
2. **Company Representative:**
3. **Company Address:**  
**Street Number & Name and City/State/Zip Code**
4. **Mailing Address:**
5. **Phone Number:**

By this agreement and under the limitations specified by the Division of Public Works  
----- is authorized to discharge hauled waste at the M. C. Stiles Treatment Plant.

Four types of hauled wastewaters from anywhere will be accepted for disposal with properly completed manifest without prior written approval. These four types of wastes are residential household septic tanks, restaurant grease traps, drive through car wash traps, and portable toilets. These four types of wastes will be accepted for a charge based on the current rate per gallon of truck capacity as determined by the Division of Public Works. The waste hauler will be billed the following month for all the volumes discharged for the previous month. Payments to the City must be paid within two weeks of the billing date or disposal privileges will be withdrawn.

Hauled Wastewater Billing  
City of Memphis, Division of Public Works  
P.O. Box 27170  
Memphis, Tennessee 38167-0170

No industrial wastewater including landfill leachate and/or wastewater of any kind originating from an industrial entity located in the City of Memphis sewer service area may be picked up for disposal unless the entity producing the waste has a letter of approval from the City of Memphis Environmental Department. The generator of the waste must write a letter containing all required information requesting approval to dispose of the waste and must receive the letter of approval prior to the pick up of the waste. A copy of the approval letter and properly completed manifest must accompany the permitted waste hauler during the disposal at the City of Memphis' designated discharge point. The disposal fee will be based on the current rate per gallon of truck capacity as determined by the Division of Public Works.

Industrial wastewaters and sludges generated outside the City of Memphis sewer service area will have to be evaluated on a case by case basis and the disposal fees will be based on the type of wastewater generated and will have to be agreed upon with the generator of waste and the City of Memphis prior to transporting of the waste. After the City of Memphis and the waste generator have agreed in a formalized document, a letter of approval will be issued, and a copy of this

approval letter will have to accompany the licensed waste hauler during the disposal in addition to the properly completed manifest. The disposal fee will be determined on a case-by-case basis for industrial wastewaters and sludges from outside the City of Memphis sewer service area.

No hazardous waste may be picked up from any source for disposal at the City of Memphis' designated discharge point. All hauled wastewater must have a pH of 5.5 standard units or above and have been certified by the originator of the wastewater as containing no compounds in concentrations that would make the wastewater classified as a hazardous waste. Decanting or back flushing of the grease trap or its wastes for the purpose of reducing the volume to be hauled is prohibited.

Failure to renew and/or obtain a waste hauler permit will result in the waste hauler not being allowed to use the City of Memphis' designated discharge point for disposal.

Violation of any of the City of Memphis requirements for discharging hauled wastewater will result in enforcement actions, which may include administrative fines, withdrawal of the privilege to use the City of Memphis wastewater system, and suspension of the existing waste hauler permit and/or prohibition from obtaining a new waste hauler permit,

Whereas, ----- **located at** ----- desires to discharge to the Memphis sewer system; and

Whereas, ----- agrees to comply with all requirements specified above and any revision thereof.

Now therefore,----- **is granted the right to discharge hauled wastewater of such characteristics and volume as described in this wastewater discharge permit into the City of Memphis sewer system from July 21, 2005 to July21, 2006.**

**Approved by:**

**Authorized Company Representative:**

\_\_\_\_\_  
**Manager, Industrial Monitoring**

\_\_\_\_\_  
**Signature/Date**

Trucks Certified for Disposal of Hauled Wastewater at the Stiles  
Treatment Plant  
Permit # 0000

we assign  
↓

Sewer Fee Truck Billing #	Truck Manufacturer	Truck Model	Year	State Registration #	Truck Tank Capacity (Gallons)

**Appendix J**  
**Liquid Waste Manifest**



**CITY OF MEMPHIS  
DIVISION OF PUBLIC WORKS  
LIQUID WASTE HAULER MANIFEST FORM**

Company Name \_\_\_\_\_

Permit No. \_\_\_\_\_ Truck License No. \_\_\_\_\_

Card No. \_\_\_\_\_ Gallons Pumped \_\_\_\_\_

Date Pumped \_\_\_\_\_ Time Pumped \_\_\_\_\_

Customer Name \_\_\_\_\_

If Customer is a Business, Type of Business \_\_\_\_\_

Customer Phone Number \_\_\_\_\_

Address \_\_\_\_\_

Vessel Pump was: \_\_\_\_\_ Septic Tank \_\_\_\_\_ Grease Trap \_\_\_\_\_

Other (describe): \_\_\_\_\_

**CUSTOMER CERTIFICATION**

As an authorized representative of the above named customer, I certify under penalty of law that the above information is true and correct to the best of my knowledge, and further certify that the material being pumped does not contain hazardous wastes as defined by the Federal Resource Conservation and Recovery Act.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Print Name/Title \_\_\_\_\_

**LIQUID WASTE HAULER CERTIFICATION**

I certify under penalty of law that the above information is true and correct to the best of my knowledge, and further certify that the truck listed above contains the materials listed above in Customer Certification and does not contain hazardous wastes as defined by the Federal Resource Conservation and Recovery Act.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Print Name/Title \_\_\_\_\_

To be completed by M. C. Stiles Treatment Plant Representative at the time of discharge:

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Sample ID No. (if collected): \_\_\_\_\_

Comments: \_\_\_\_\_

Print Name/Title \_\_\_\_\_

White copy - Wastewater  
Canary copy - Hauler  
Pink copy - Customer

**Appendix K**  
**Waste Log**

# DAILY LOG FOR DISPOSAL OF HAULED WASTE AT THE STILES TREATMENT PLANT

Date: \_\_\_\_\_

	Time	Company Name	Sewer Fee Truck Billing #	Truck Tank Capacity (Gallons)	Driver Name	Operator Name
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						

**Appendix L**  
**Door Hanger**

Please Use the Attached Lid:  
Read Below For Details

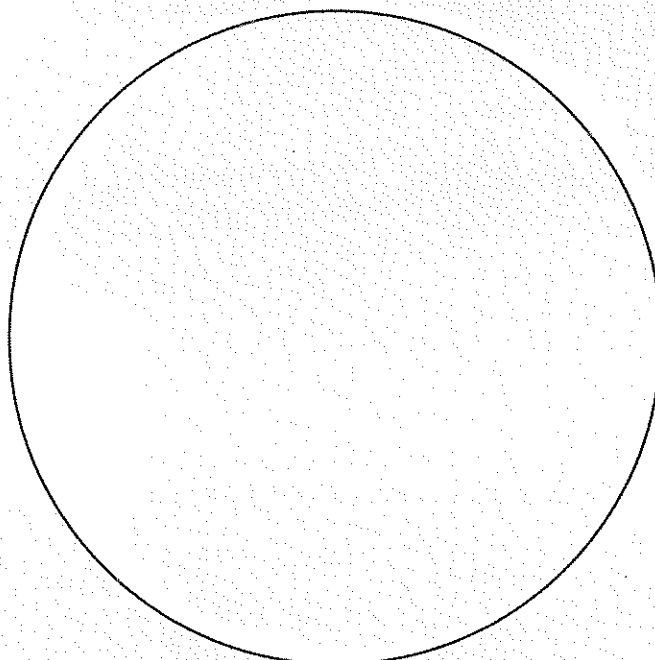


## **SEWER OVERFLOW IN YOUR NEIGHBORHOOD**

The City recently responded to  
a sewer overflow which was caused by  
**GREASE** in the sewer.

**Overflow Response COSTS Taxpayers  
MONEY.**

**TO PROTECT YOUR PLUMBING SYSTEM,  
PUBLIC HEALTH AND ENVIRONMENT  
& THE CITY'S SEWERS,  
Please accept the attached reusable lid  
to help the City  
"CAN THE GREASE"**



**DO NOT POUR GREASE DOWN THE DRAIN  
SAVE TAXPAYERS' MONEY**

**POR FAVOR UTILICE LA TAPA CONECTADA.  
LEA ABAJO PARA LOS DETALLES.**



## **CANTIDAD EXCESIVA DE LA ALCANTARILLA EN SU VECINDARIO**

La Ciudad respondió recientemente a la cantidad excesiva de la alcantarilla que fue causada por la GRASA.

Respuestas por la capacidad excesiva les **CUESTA DINERO** a los **CONTRIBUYENTES**.

**PARA PROTEGER SU SISTEMA DE PLOMERÍA, NUESTRA SALUD, EL AMBIENTE, Y LAS ALCANTARILLAS DE LA CIUDAD, ACEPTÉ LA TAPA REUTILIZABLE "ECHA LA GRASA EN UNA LATA"**

**ECHA LA GRASA  
EN UNA LATA!**

1. Eche la grasa en una lata.
2. Póngale la tapa y luego en el congelador.
3. Cuando se llene, quite la tapa y eche la lata en la basura.
4. Reutilice la tapa.

**NO ECHE LA GRASA EN EL  
DESAGUADERO AYUDE GRARDAR  
DINERO DE LOS CONTRIBUYENTES**



# CAN THE GREASE?



1. Pour grease into a can  
2. Drop can by and store can in dumpster  
3. When full, municipal and private can be used  
to remove it.

**801-836-4301**

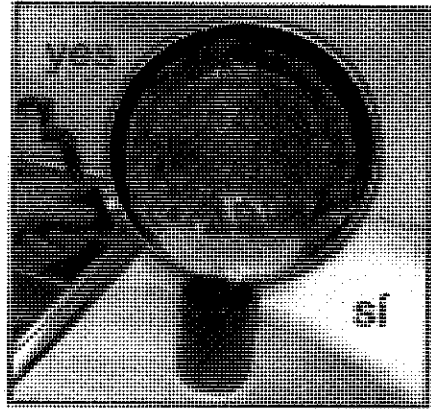
City of Memphis Public Works

**Appendix M**  
**FOG Brochures**



**Fats, oils, and greases aren't just bad for arteries and waistlines; they're bad for sewers, too.**

Sewer overflows and backups can cause health hazards, damage home interiors and threaten the environment. A common cause of overflows is sewer pipes blocked by grease. Grease gets into the sewer from household drains as well as from poorly maintained grease traps in restaurants and other businesses.



**Las grasas y los aceites no sólo son perjudiciales para las arterias y para la figura; también son dañinos para las alcantarillas.**

Los derrames y desbordamientos de aguas residuales pueden ser peligrosos para la salud, dañar el interior de los hogares, y amenazar el medio ambiente. Una causa cada vez más común de derrames es las alcantarillas obstruidas por grasa. La grasa llega a las alcantarillas desde los desagües domésticos y trampas de grasa mal mantenidas en restaurantes y otros negocios.

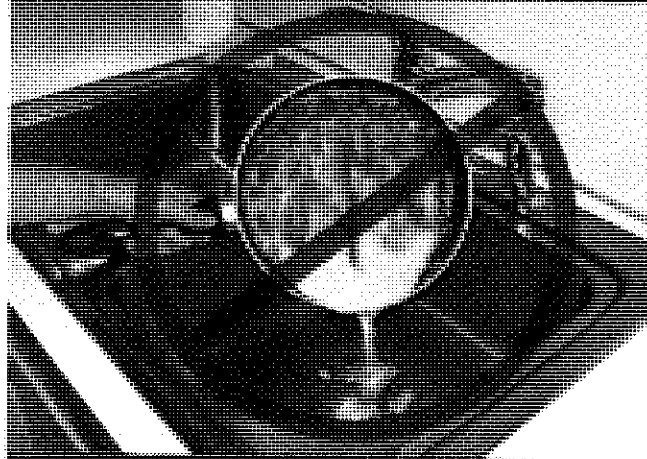
**Water Environment Federation**  
the water quality people®  
601 Wythe Street  
Alexandria, Virginia  
22314-1994 USA  
Tel. 1-800-666-0206  
Fax. 1-703-684-2492  
[www.wef.org](http://www.wef.org)

HS1100

8/2012

# Fat-Free Sewers

Prevent Fats, Oils, and Greases from Damaging Your Home and the Environment



## ALCANTARILLAS SIN GRASA

Evite que las grasas y los aceites dañen su hogar y el medio ambiente

# Helping To Prevent Sewer Overflows and Backups Is Easy.

## Where Does the Grease Come From?

Grease is a byproduct of cooking that comes from meat fats, lard, oil, shortening, butter, margarine, food scraps, baked goods, sauces and dairy products. When washed down the sink, grease sticks to the insides of sewer pipes (both on your property and in the street). Over time, it can build up and block an entire pipe.

**Caution:** Home garbage disposals do not keep grease out of the plumbing system. Moreover, hot water and products such as detergents that claim to dissolve grease only pass it down the line and cause problems elsewhere.

## The results can be:

- Raw sewage overflowing in your home or the house next door.
- An expensive and unpleasant cleanup that often must be paid for by you, the home or business owner.
- Raw sewage overflowing into parks, yards, and streets.
- Potential contact with disease-causing organisms.
- An increase in operation and maintenance costs for local sewer departments, which leads to higher sewer bills for customers.

## You Can Help!

### Help prevent sewer overflows by:

- Never pouring grease down sink drains or into toilets.
- Scraping grease and food scraps into a can or the trash for disposal (or recycling where available).
- Putting baskets/strainers in sink drains to catch food scraps and other solids, and emptying them into the trash.
- Speaking with your friends and neighbors about how to keep grease out of sewers.

# Es fácil prevenir los derrames y desbordamientos de aguas residuales.

## ¿De dónde proviene la grasa?

La grasa, uno de los productos derivados de la preparación de comida, está presente en la carne, manteca animal, aceite vegetal, manteca vegetal, mantequilla, margarina, sobras de comida, productos para hornear, salsas, y productos lácteos. Cuando entra por el desagüe, la grasa se pega al interior de las tuberías de alcantarillado (tanto las de su propiedad como las de la calle); con el tiempo, puede acumularse al punto de bloquear la tubería por completo.

**Advertencia:** Los trituradores de basura domésticos no impiden la entrada de grasa al sistema de cañerías. Es más, el agua caliente y los productos como los detergentes que alegan ser capaces de disolver la grasa, pueden trasladarla por las cañerías y causar problemas en otras zonas.

## Esto puede traer las siguientes consecuencias:

- Desborde de aguas residuales en el interior de su hogar o el de su vecino.
- Necesidad de una limpieza costosa y desagradable que casi siempre es responsabilidad de usted, el propietario de la casa o negocio.
- Desborde de aguas residuales hacia parques, jardines, y calles.
- Posible contacto con organismos causantes de enfermedades.
- Crecientes costos de operación y mantenimiento para los organismos locales de alcantarillado y, en consecuencia, facturas más altas para los consumidores.

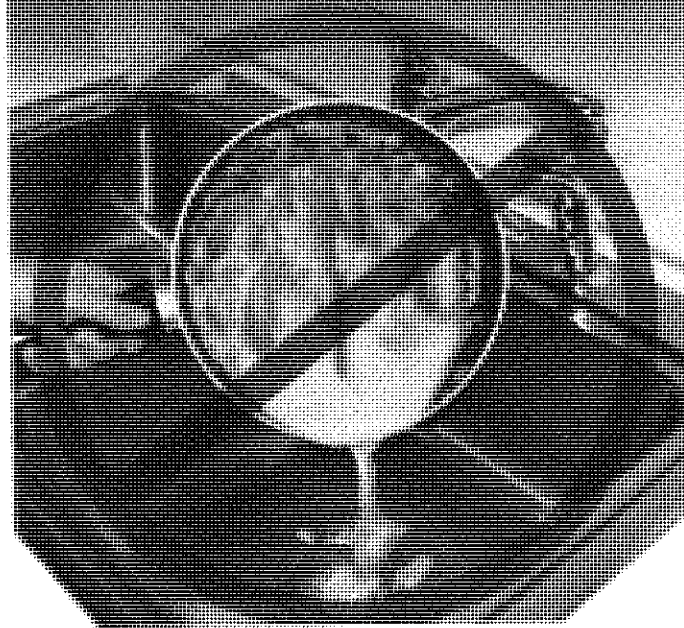
## ¡Usted puede ayudar!

### Ayude a evitar derrames en las alcantarillas de las siguientes maneras:

- No vierta nunca grasa por el desagüe del fregadero ni en inodoros.
- Raspe la grasa y las sobras de comida y colóquelas en una lata o en la basura para desecharlas (o reciclarlas, si dispone de esta opción).
- Ponga filtros o coladores en los desagües de los fregaderos para atrapar las sobras de comida y otros sólidos, y deseche su contenido en la basura.
- Hable con sus amigos y vecinos sobre cómo impedir que la grasa entre en las alcantarillas.

# Fat-Free Sewers

Prevent Fats, Oils, and Greases from Damaging Your Home and the Environment



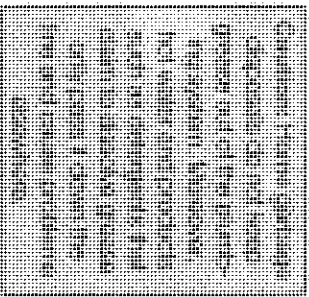
# Helping To Prevent Sewer Overflows And Backups Is Easy.

**Fats, oils, and greases aren't just bad for arteries and waistlines; they're bad for sewers, too.**

Sewer overflows and backups can cause health hazards, damage home interiors, and threaten the environment. A common cause of overflows is sewer pipes blocked by grease. Grease gets into the sewer from household drains as well as from poorly maintained grease traps in restaurants and other businesses.

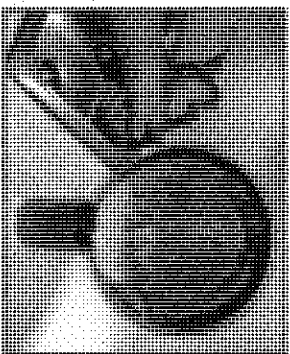
## Where Does the Grease Come From?

Grease is a byproduct of cooking that comes from meat fats, lard, oil, shortening, butter, margarine, food scraps, baked goods, sauces and dairy products. When washed down the sink, grease sticks to the insides of sewer pipes (both on your property and in the street). Over time, it can build up and block an entire pipe.



## The results can be:

- Raw sewage overflowing in your home or the house next door.
- An increase in operation and maintenance costs for local sewer departments, which leads to higher sewer bills for customers.
- An expensive and unpleasant cleanup that often must be paid for by you, the home or business owner.
- Raw sewage overflowing into parks, yards, and streets.
- Potential contact with disease-causing organisms.



## You Can Help!

### Help prevent sewer overflows by:

- Never pouring grease down sink drains or into toilets.
- Putting baskets/strainers in sink drains to catch food scraps and other solids, and emptying them into the trash.
- Scraping grease and food scraps into a can or the trash for disposal (or recycling where available).
- Speaking with your friends and neighbors about how to keep grease out of sewers.

Las grasas y los aceites no sólo son perjudiciales para las arterias y para la figura; también son dañinos para las alcantarillas.

Los derrames y reflujos de aguas residuales pueden ser peligrosos para la salud, dañar el interior de los hogares y amenazar el medio ambiente. Una causa cada vez más común de derrames son las obstrucciones de las tuberías de alcantarillado por la grasa, que penetra en el sistema desde desagües domésticos y trampas mal mantenidas en restaurantes y otros negocios.

Para obtener copias adicionales de este folleto, llame al 1-800-666-0206 o 1-703-684-2452, o vaya a: <http://www.wef.org>.



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N.º de ref.: HS1100 6/01

# Alcantarillas sin grasa

Cómo impedir que las grasas y los aceites dañen su hogar y el medio ambiente

# Es fácil prevenir los derrames y reflujos de aguas residuales.

## ¿De dónde proviene la grasa?

La grasa, uno de los productos derivados de la preparación de comida, está presente en la carne, manteca animal, aceite vegetal, manteca vegetal, mantequilla, margarina, sobras de comida, productos para hornear, salsas y productos lácteos. Cuando entra por el desagüe, la grasa se pega al interior de las tuberías de alcantarillado (tanto las de su propiedad como las de las calles); con el tiempo, puede acumularse al punto de bloquear la tubería por completo.

*Advertencia:* Los trituradores de basura domésticos no impiden la entrada de la grasa en el sistema de cañerías. Algunos productos (tales como detergentes) que alegan ser capaces de disolver la grasa, pueden más bien trasladarla por las cañerías y causar problemas en otras zonas.

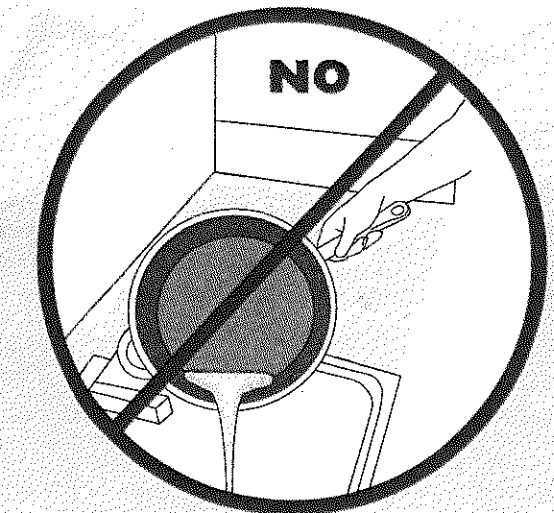
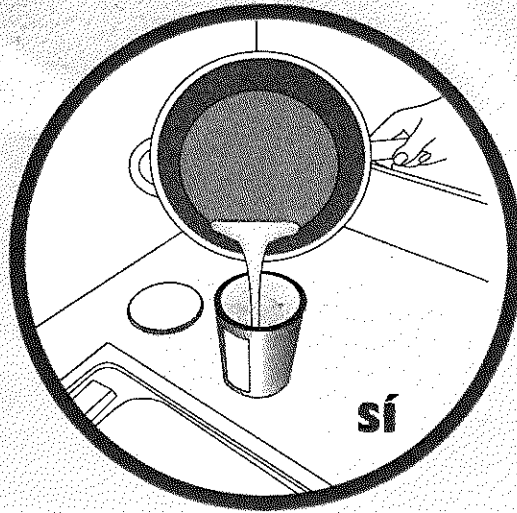
## Esto puede traer las siguientes consecuencias:

- Desborde de aguas residuales en el interior de su hogar o el de su vecino;
- Necesidad de una limpieza costosa y desagradable que casi siempre es responsabilidad de usted, el propietario de la casa o negocio;
- Desborde de aguas residuales hacia parques, jardines y calles;
- Posible contacto con organismos causantes de enfermedades; y
- Crecientes costos de operación y mantenimiento de los organismos locales de alcantarillado y, en consecuencia, facturas más altas para los consumidores.

## Lo que usted puede hacer para ayudar:

Ayude a evitar derrames de aguas residuales de las siguientes maneras:

- No vierta nunca grasa por el desagüe del fregadero ni en inodoros;
- Raspe la grasa y las sobras de comida y colóquelas en una lata o en la basura para desecharlas (o reciclarlas, si dispone de esta opción);
- Ponga filtros o coladores en los desagües de los fregaderos para atrapar las sobras de comida y otros sólidos, y deseche su contenido en la basura; y
- Hable con sus amigos y vecinos sobre cómo impedir que la grasa entre en las alcantarillas.



## Lo que los propietarios de restaurantes y edificios necesitan saber sobre las trampas o los interceptores de grasa:

Para que la trampa o el interceptor de grasa funcione debidamente, tiene que estar bien:

- Diseñado (tener un tamaño y hechura apropiados para manejar el volumen previsto);
- Instalado (nivelado, con orificio de ventilación, etc.); y
- Mantenido (limpiado y reparado con frecuencia).

No se debe introducir ningún sólido en las trampas o los interceptores de grasa. Es preciso efectuar un mantenimiento rutinario (a menudo, diario) de las trampas y los interceptores de grasa.

**Appendix N**  
**FOG Press Release**



**FOR IMMEDIATE RELEASE**

CONTACT: Sharon Gordon, 576-4349, [sharon.gordon@memphistn.gov](mailto:sharon.gordon@memphistn.gov)

## **Keeping Cooking Fats, Oils, and Grease Out of City Sewer System Will Help Prevent Harmful Sewer Backups**

**Memphis, TN (December 3, 2009)** – Do your part to prevent sewer backups by properly disposing of cooking fats, oils, and greases (FOG). These products should never be poured down a household sink – the FOG clings to pipes in the city’s sanitary sewer system. Over time, this FOG may build up and block the pipe, causing overflows that could put contaminated sewage into your home, neighborhood, and area lakes, rivers, and streams.

The City of Memphis Storm Water Program encourages everyone to properly dispose of fats, oils, and greases as a way of helping prevent blockages that allow raw sewage to enter our city’s storm water system. The storm water system carries water safely out of neighborhoods and delivers it to the Loosahatchie and Wolf Rivers and to Nonconnah Creek. These in turn carry the water to the Mississippi River and McKellar Lake.

You can help prevent FOG-caused sewer backups by:

- Reusing cooking oil when possible, or properly disposing of it by placing it in a sealable container, refrigerating until the oil thickens, and disposing of the oils by including the container with your other garbage. You can dispose of small amounts of oil or grease by pouring the material on used newspaper or other absorbent material and placing it in your household garbage.
- Scraping food scraps in the trash, not the sink.
- Even when you run hot water after pouring grease into the sink, the grease will solidify and restrict the flow in the pipe as soon as the water cools, and may cause an overflow.
- Wiping pots, pans, and dishes before rinsing or washing them.
- Placing a catch screen over the sink drain when washing dishes to catch small scraps that would otherwise go down the drain.

A sewer backup in your home can cause damage, is unsanitary, and hard to clean up. A sewer backup in your neighborhood is unpleasant for all. So watch out for FOG – fats, oils, and greases – in the drain when working in your kitchen.

**For more information about grease disposal, call 576-4328 or to report a sanitary overflow call 529-8025. To learn more about the city’s Storm Water Program call 576-4349.**

###



E-mailed to:

WKNO-FM

Entercom Radio, Memphis, which includes:

94.1 KQK Classic Hits

99.7 FM100

WMC 79 Country Legends

Am & fm

104.5 WRVR The River

92.9 FM and 680 AM ESPN Sports Radio

FAXed to:

The Commercial Appeal

The Cordova Appeal

Memphis Business Journal

The Memphis Flyer

The Daily News

The Downtowner

Daily Helmsman (U of M)

The Hebrew Watchman

The Tri-State Defender

Best Times

The Silver Star News

La Prensa Latina

WHBQ-TV

WLMT-TV

WPTY-TV

WMC-TV

WREG-TV

WMPS AM

WHBQ AM and FM

KXHT FM

WMFS FM

WQOX FM

WREC AM

WKIM FM

KJMS FM

WCRV AM

KWAM AM

WEGR FM

WUMR FM

WLOK AM

WDIA AM

WHRK FM

## Appendix B

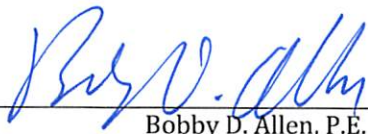
# Interim Critical Areas Project Report

# City of Memphis

## Interim Critical Areas Project Report for Critical Areas #1 and #3

October 30, 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.

  
Bobby D. Allen, P.E.

10-30-13

Date

# Section 1

## Introduction

On September 20, 2012, the United States District Court for the Western District of Tennessee entered a Consent Decree (CD) between the City of Memphis (the City) and the United States, the State of Tennessee, and the Tennessee Clean Water Network.

In accordance with CD Section V, Paragraph 11.b., Critical Infrastructure Areas Projects, the City identified three areas (designated as “Critical Areas”) to receive prioritized rehabilitation due to the critical nature of the infrastructure and the potential consequences of large volumes of sanitary sewer overflows (SSOs) in the event of infrastructure failure. These areas are discussed in Paragraph 11.b. of the CD and are also depicted in Appendix H of the CD.

Activities associated with two of the Critical Areas were completed significantly ahead of schedule. While the Final Critical Areas Project Report is not required to be submitted until after all three of the projects are complete, the City does not see a reason to delay submission of documentation for those projects that are already complete. This Interim Critical Areas Project Report contains a summary of those two completed projects, including a description of assessment activities conducted and the rehabilitation measures implemented.

This report is organized into three sections:

- **Section 1** provides an introduction.
- **Section 2** documents assessment and rehabilitation work conducted in Critical Area #1.
- **Section 3** documents assessment and rehabilitation work conducted in Critical Area #3.

The Final Critical Areas Project Report, which will also include a summary of the work conducted in Critical Area #2, is anticipated to be submitted within six months of completion of the work in Critical Area #2, consistent with the terms of the CD.

## Section 2

### Critical Area #1

#### 2.1 Introduction

This section provides a summary of the rehabilitation work associated with Critical Area #1 identified in the CD as the 42" to 48" Wolf River Interceptor. The portion of the interceptor length that is to be rehabilitated runs approximately one thousand (1,000) feet in the northern area adjacent to the Wolf River. Upon further assessment, it turns out that the actual pipe diameter throughout this segment is 48". This section of pipe was rehabilitated with the installation of a cured in place pipe (CIPP) liner. Figure 2-1 shows the section of pipe that was rehabilitated. For the purposes of this report, the location of the pipe and associated manholes are further described as follows:

- Downstream Manhole (DMH) – located approximately 540' west of I-40 where the 48" line discharges into a 96" line
- Upstream Manhole (UMH) – located approximately 990' south of DMH, approximately 600' north of the Wolf River, and approximately 560' west of I-40
- Middle Manhole (MMH) – located approximately 490' south and 500' north of DMH and UMH, respectively, and approximately 600' west of I-40
- Interceptor Pipe Rehabilitated (Interceptor) – lengths of pipe located between UMH and MMH (505.2') and DMH and MMH (484.7') for a total length of 989.9 linear feet

#### 2.2 Assessment Activities

In order to undertake further assessment and to initiate rehabilitation of the Interceptor, by-pass pipes were established to divert flow from the line segment. A manhole located approximately 70' south (upstream) of the UMH was designated as the suction point of the system, and a manhole located approximately 300' east (upstream) of the DMH in the 96" line was designated as the discharge point. By-pass pipes were connected between these manholes to transfer the sewage during the CIPP work. Figure 2-2 shows a layout of the by-pass system. Subsequent to installing the by-pass pipes, plugs were installed in the lines as required. By-pass pumping began on August 20 and continued through August 25, 2012.

The Interceptor was cleaned using high pressure water discharged from a cleaning head. Subsequently, a closed circuit television (CCTV) camera was passed through the Interceptor to inspect for defects. The defect analysis was conducted in accordance with National Association of Sewer Service Companies (NASSCO) Pipeline Assessment and Certification Program (PACP) protocols. The CCTV videos showed upper pipe quadrant deterioration and surface spalling. In addition, infiltration was noted at one location between the DMH and MMH. Regardless of the relatively small probability of failure, in accordance with Paragraph 11.b. of the CD, the pipe segment was rehabilitated.

## 2.3 Rehabilitation Measures

Upon completion of the cleaning and assessment activities discussed in Section 2.2, 989.9 linear feet of the Interceptor was rehabilitated by installing a CIPP liner with enhanced polyester resin into the line segment (see Figure 2-1). The CIPP work was conducted from August 20 – 25, 2012. Utilizing a water column inversion, the liner was inverted into the Interceptor beginning at the UMH and terminating at the MMH. Curing was accomplished by circulating hot water throughout the length of the inverted tube to cure the thermosetting resin into a hard impermeable pipe with the polyurethane coating on the interior surface of the reconstructed pipe forming a jointless, structurally sound pipe. Subsequently, using the same technique, a liner was inverted into the Interceptor beginning at the DMH and terminating at the MMH. During the course of inverting this section of liner, a Contractor error resulted in the liner extending through the MMH approximately 8'. However, mechanical bonding was achieved against the other liner (previously installed in this section) and the end was cut according to standard protocol. The square cut end of the over-extended liner was transitioned to the existing liner using epoxy grout. Following each liner curing, the liners were flush-cut at the insertion and termination points and inside MMH. As necessary, void spaces between the cut ends of the liner and host pipe were filled with epoxy grout and the face wiped smooth. The liners were cleaned and inspected using a CCTV camera and determined to be in compliance with the construction specifications. Upon completion of this work, the plugs and bypass pipes were removed and the Interceptor returned to service.

As part of the CIPP rehabilitation process, quality assurance samples were collected to verify the integrity of the newly installed CIPP liner. Samples of the CIPP liner were analyzed for flexural stress, flexural modulus of elasticity, and thickness. Flexural stress and flexural modulus of elasticity both exceeded the applicable American Society of Testing Materials (ASTM) standards. The average pipe thickness was 28.4 mm (1.13 in.) which exceeded the specified thickness of 27 mm (1.06 in.).

## 2.4 Summary

Critical Area #1 is defined as the 42" to 48" Wolf River Interceptor in the CD; however it should be noted that the actual pipe diameter throughout this segment is 48". The Interceptor was cleaned and assessed in accordance with NASSCO PACP protocols. The CCTV videos showed upper pipe quadrant deterioration and surface spalling. In addition, infiltration was noted at one location between the DMH and MMH. Regardless of the relatively small probability of failure, in accordance with Paragraph 11.b. of the CD, the pipe segment was rehabilitated. The Interceptor was rehabilitated with the installation of a CIPP liner with a thickness of approximately of 28.4 mm (1.13 in.). Quality assurance samples verified that the liner was in compliance with applicable ASTM standards. The CIPP work was conducted August 20 through 25, 2012. The length of the pipe segment rehabilitated was 989.9 linear feet.

## Section 3

### Critical Area #3

#### 3.1 Introduction

This section provides a summary of the rehabilitation work associated with Critical Area #3 identified in the CD as the 84" interceptor located where McLean Boulevard crosses the Wolf River and Interstate 40, which is approximately six hundred (600) feet in length. This section of pipe was rehabilitated with the installation of a cured in place pipe (CIPP) liner. Figure 3-1 shows the section of pipe that was rehabilitated. For the purposes of this report, the location of the pipe and end manholes are further described as follows:

- Upstream Manhole (UMH) - located east of McLean Blvd. at the toe of the embankment south of I-40
- Downstream Manhole (DMH) – This is a junction structure located east of McLean Blvd. and north of I-40 with one 36" and two 84" incoming pipes and one 96" outgoing pipe
- Interceptor Pipe Rehabilitated (Interceptor) – length of pipe located between UMH and DMH. Actual length = 560.5 linear feet

#### 3.2 Assessment Activities

In order to undertake further assessment and to initiate rehabilitation of the Interceptor, by-pass pipes were established to divert flow from the line segment. Due to bypass needs, two manholes were constructed and one manhole was modified to allow for the by-pass operations. One manhole was installed upstream (south) of the UMH, one was installed upstream (east) of the DMH, and one was modified downstream (west) of the DMH. In addition, a by-pass line was installed in an existing manhole upstream (north) of the DMH in a 36" line. By-pass pipes were connected between these locations to transfer the sewage during the CIPP work. Figure 3-2 shows a layout of the by-pass system. Subsequent to installing the by-pass pipes, plugs were installed in the lines as required. By-pass pumping began on November 12 and continued through November 14, 2012.

The Interceptor was cleaned using high pressure water discharged from a cleaning head. Subsequently, a closed circuit television (CCTV) camera was passed through the Interceptor to inspect for defects. The defect analysis was conducted in accordance with National Association of Sewer Service Companies (NASSCO) Pipeline Assessment and Certification Program (PACP) protocols. No PACP defects were detected in the Interceptor. Although no defects were detected, in accordance with Paragraph 11.b. of the CD, the pipe segment was rehabilitated.

### 3.3 Rehabilitation Measures

Upon completion of the cleaning and assessment activities discussed in Section 3.2, 560.5 linear feet of the Interceptor was rehabilitated by installing a CIPP liner with enhanced polyester resin into the line segment (see Figure 3-1). The CIPP work was conducted from November 12 through November, 14, 2012. Utilizing a water column inversion, the liner was inverted into the Interceptor beginning at DMH and terminating at UMH. Curing was accomplished by circulating hot water throughout the length of the inverted tube to cure the thermosetting resin into a hard impermeable pipe with the polyurethane coating on the interior surface of the reconstructed pipe forming a jointless, structurally sound pipe. Following curing, the liner was flush-cut at the termination points as well as the junction box cut out for the 84" interceptor coming from the east. As necessary, void spaces between the liner and host pipe were filled with epoxy grout and the face wiped smooth. The liners were cleaned and inspected using a CCTV camera and determined to be in compliance with the construction specifications. Upon completion of this work, the plugs and bypass pipes were removed and the Interceptor returned to service.

As part of the CIPP rehabilitation process, quality assurance samples were collected to verify the integrity of the newly installed CIPP liner. Samples of the CIPP liner were analyzed for flexural stress, flexural modulus of elasticity, and thickness. Flexural stress and flexural modulus of elasticity both exceeded the applicable American Society of Testing Materials (ASTM) standards. The average pipe thickness was 54.4 mm (2.14 in.) which exceeded the specified thickness of 46.5 mm (1.83 in.).

### 3.4 Summary

Critical Area #3 is identified as the 84" interceptor located where McLean Boulevard crosses the Wolf River and Interstate 40 in the CD. This interceptor was cleaned and assessed in accordance with PACP defined protocols. No PACP defects were detected in the Interceptor. Although no defects were detected, in accordance with Paragraph 11.b. of the CD, the pipe segment was rehabilitated. The Interceptor was rehabilitated with the installation of a cured in place pipe liner with a thickness of approximately of 54.4 mm (2.14 in.). Quality assurance samples verified that the liner was in compliance with applicable ASTM standards. The CIPP work was conducted November 12 through 14, 2012. The length of the pipe segment rehabilitated was 560.5 linear feet.

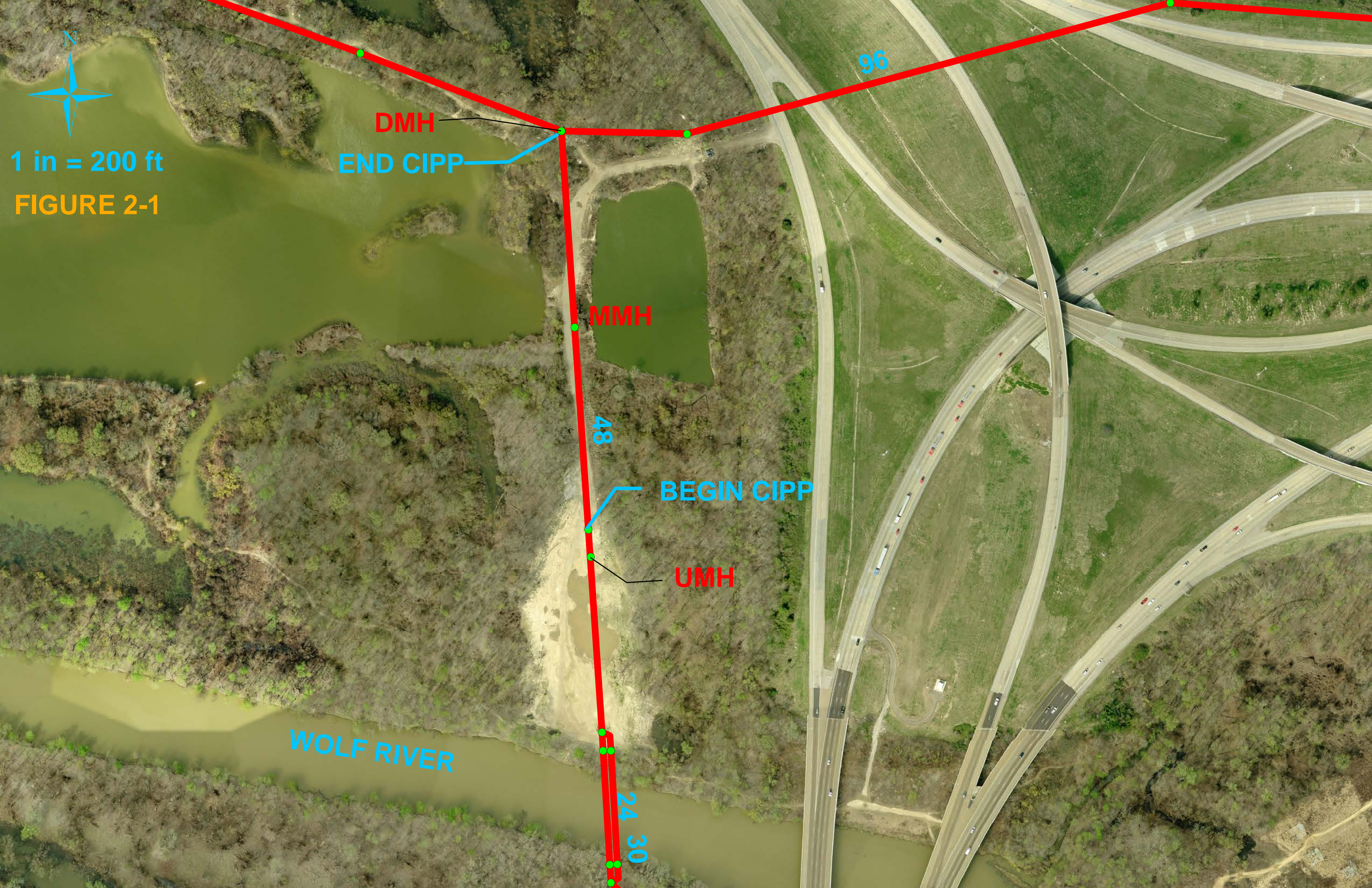


# Figures



1 in = 200 ft

FIGURE 2-1



N  
1 in = 200 ft  
FIGURE 2-2

DMH

END CIPP

BYPASS

MMH

48

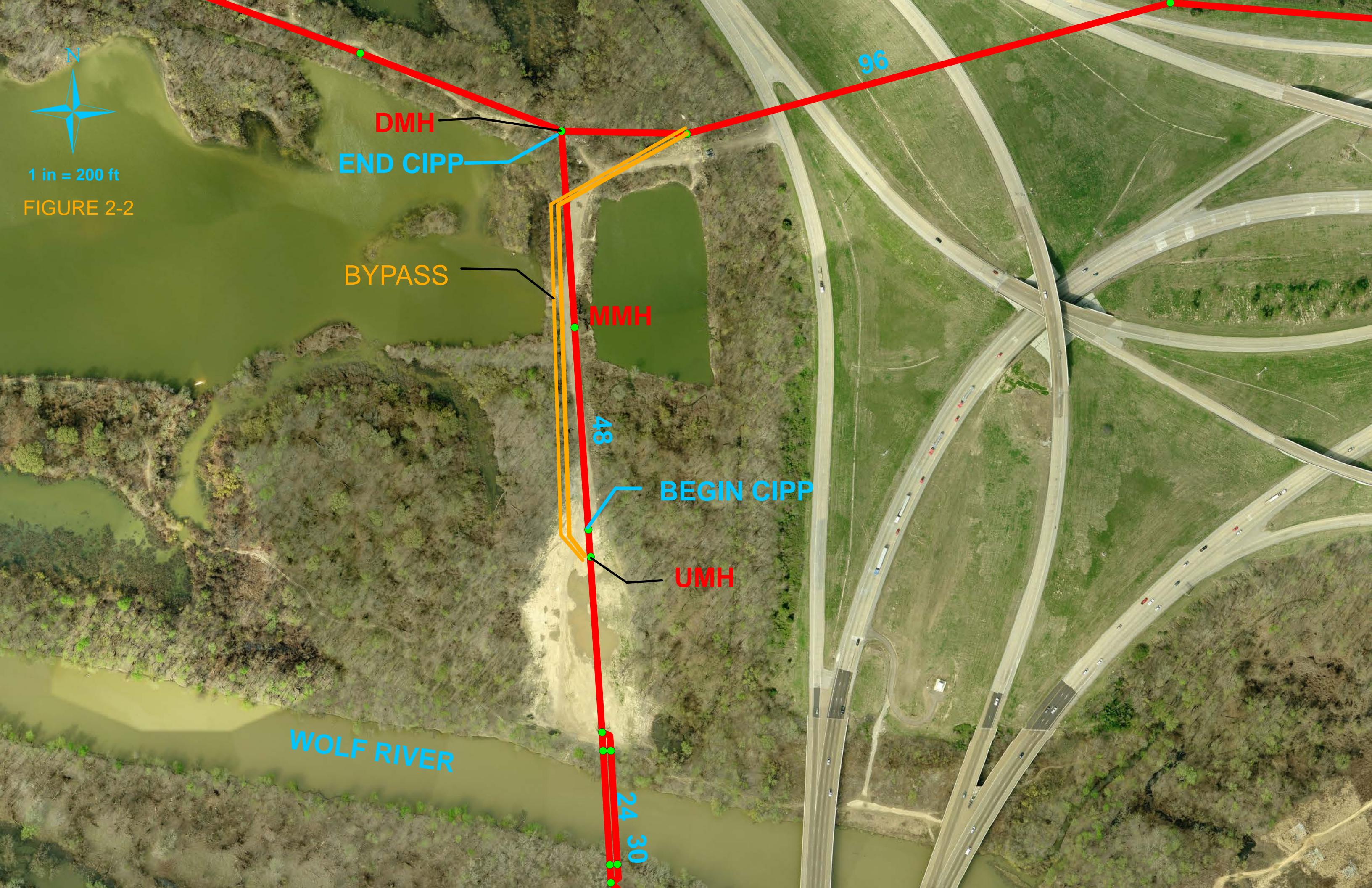
BEGIN CIPP

UMH

WOLF RIVER

24 30

96





James Ave.

McLean Blvd

I-40

1 in = 200 ft  
FIGURE 3-1

END CIPP

DMH

BEGIN CIPP

UMH

96

84

36

84





1 in = 200 ft  
FIGURE 3-2



James Ave.

2@12"  
PUMP

36

DISCH  
STRUCTURE

END CIPP

DMH

36"

84

96

SUCTION STRUCTURE

6@18"  
PUMP

I-40

McLean Blvd

BEGIN CIPP

BOX CULVERT

UMH

84

4@18"  
PUMP

SUCTION STRUCTURE

84

84

## Appendix C

### Stiles WWTP Outfall Improvements Letter



A C WHARTON, JR. - Mayor  
GEORGE M. LITTLE - Chief Administrative Officer  
**LAW DIVISION**  
HERMAN MORRIS, JR. - City Attorney

October 28, 2013

**VIA CERTIFIED MAIL - RETURN RECEIPT REQUESTED  
and E-MAIL**

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Chief, Environmental Enforcement Section  
Environment and Natural Resources Division  
U.S. Department of Justice  
Box 7611 Ben Franklin Station  
Washington, D.C. 20044-7611  
Re: DOJ No. 90-5-1-1-09720

Chief, Clean Water Enforcement Branch  
Water Protection Division  
ATTN: Brad Ammons  
U.S Environmental Protection Agency, Region 4  
61 Forsyth Street, S.W.  
Atlanta, GA 30303

Sohnia W. Hong  
Senior Counsel  
Office of the Attorney General  
Environmental Division  
P.O. Box 20207  
Nashville, Tennessee 37202

Director, Water Pollution Control  
Tennessee Department of Environment and  
Conservation  
ATTN: Sandra Dudley, P.E., Ph.D  
312 Rosa L. Parks Ave., 12<sup>th</sup> Floor  
William R. Snodgrass-Tennessee Tower  
Nashville, Tennessee 37243-1534

Stephanie Durman Matheny  
Tennessee Clean Water Network  
P.O. Box 1521  
Knoxville, Tennessee 37901

Re: Modification of Consent Decree – *United States of America et al v. The City of Memphis*  
Civil Action. No. 2:10-cv-02083  
Foam-Outfall Improvements Alternative and Schedule - M.C. Stiles WWTP

Dear Ladies and Gentlemen:

The purpose of this letter is to provide you with an update regarding the foam reduction/outfall improvement project for the M.C. Stiles Wastewater Treatment Plant (WWTP) and to request all parties to the lawsuit to sign off on a proposed modification of the above referenced Consent Decree (CD). After extensive analysis and study, the City has determined that the recommended alternative as set forth in Appendix I to the CD would not result in the anticipated reduction of foaming and that a better alternative is preferred.

Paragraph 12 of the CD sets forth the parties agreement for Memphis to implement the M.C. Stiles WWTP Foam Study and Outfall Improvements Work Plan. The work plan, set forth in Appendix I to the CD, recommended an outfall modification alternative in which the existing outfall drop structure is to be removed and a new sloped outfall pipe is constructed from the chlorine contact basin to a new discharge point within the river. The intent of this proposed modification is to reduce the amount of foam entering, and ultimately surfacing, within the Mississippi River.

As details were developed for the recommended alternative during the preliminary design stage, foam mitigation and other concerns were further analyzed by our project team. Inasmuch as significant issues and uncertainty were encountered during this design, the City felt it prudent to further investigate the effectiveness of the recommended alternative, as well as other alternatives, based upon the new understandings of the system. The design for this project is particularly complicated by two factors:

1. The elevation change (vertical drop) from the chlorine contact basin to the Mississippi River and the associated available horizontal distance between the basin and the River.
2. The required deep excavation and associated dewatering requirements considering the proximity to the Mississippi River.

While the initial work plan approach was based upon desk-top work, we have found that due to the nuances involved, the amount of reduction cannot easily be quantified through theoretical calculations. For example, we have found that even minor design adjustments to the proposed layout(s) can have significant impacts on the quantity and extent of foam minimization, but again such impacts are also difficult to theoretically quantify. As such, the City determined, upon the recommendations of CDM Smith, to take the extra step of engaging Clemson Engineering Hydraulics, Inc. (CEH) to construct and test a physical model of the outfall to help finalize the design concept. CEH's work includes constructing and testing a model of the existing outfall and constructing and testing outfall modification alternatives in order to see real-time results of the effectiveness of modifications on foam mitigation. We have determined that, only by going this extra yard, would the City have the requisite degree of confidence that the foam concerns raised would be adequately addressed.

Essentially this project involved first building and testing a model of the existing outfall to verify and calibrate to current conditions. The existing outfall model was constructed at an approximate 1:6 scale. CEH completed building and testing of the model of the existing outfall, and the testing of this model showed good correlation with the WWTP outfall. Due simply to the air entrainment from the vertical drop structure, a significant amount of foaming can be observed in the model using potable water (no additives to create foam).

Next, a model was constructed to simulate the gradually sloped spillway, similar to the alternative recommended in the work plan. This model was tested to see real time results of the



effectiveness of the spillway alternative on foam mitigation. Unfortunately, the model shows limited foam reduction and control with this approach. Due to the short distance and slope, there is a hydraulic jump created which is still resulting in a significant amount of air entrainment within the flow.

Based on the initial round of modeling and the new knowledge regarding the site-specific foaming issues, the project team then explored other options. The project team now believes that a vortex structure with associated venting for air and foam to escape will be the preferred approach for reducing foaming but will be looking towards the model for confirmation. CEH has already designed and is currently constructing the vortex structure model to test in its lab.

We expect the physical modeling and testing will yield significant benefits to the overall project, including:

- Focusing our design effort on a site-specific proven approach;
- Determining the potential benefit of minor modifications prior to construction and implementation;
- Reducing the unknowns associated with the performance of the potential solution(s); and,
- Addressing constructability concerns

We note that the initial work plan schedule was not intended to be a detailed project schedule and was a best approximation of the total anticipated project length based on our limited theoretical work at that time. The additional work the City has undertaken will help to assure that our mutual objectives of appropriately addressing the foam will be achieved. Accordingly, we are providing the attached schedule for completion of the work. The schedule recognizes the current uncertainty associated with the preferred option that exists and builds in a process for review of the City's determination before constructing the revised option. If the model of the vortex approach confirms our expectation, then the schedule provides for the City submitting a report to the parties and that further design of the new option would proceed upon receiving agreement (after EPA confers with TDEC and TCWN) as to the preferred approach. If the vortex approach is not substantiated by the model, then the schedule provides for the City to submit a status report and update identifying the next steps it will take to determine an appropriate solution ultimately leading to design implementation.

In accordance with paragraph 74 ("Modification") of the CD, the City requests that the parties agree to this change as a non-material change to the CD. The change is predicated upon a chosen option that will be more effective than the original option identified in Appendix I to the CD. Again, as set forth in the attachment, a process has been built into the revised schedule to provide for approval of a new option before the City proceeds in its implementation. Pursuant to

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Paragraph 74 of the CD, non-material changes may be made by written agreement of the Parties without court approval.

If you have any questions about the current status of this project or the proposed CD change, please give CC a call at 901-576-6550. We look forward to your response.

Sincerely,



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Herman Morris  
City Attorney  
125 North Main Street, Room 336  
Memphis, Tennessee 38103-2079



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Carmalita Carletos-Drayton  
Senior Assistant City Attorney  
125 North Main Street, Room 336  
Memphis, Tennessee 38103-2079

Attachment

cc: Gary Cohen, Esq.  
Bill Bush, Esq.  
Bill Weinischke, Esq.  
Patrick Parker, Esq.

