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I. Purpose

This Sanitary Sewer Overflow Response Plan (SORP) has been prepared in accordance with Alabama Department of Environmental Management (ADEM) guidelines. The purpose of this SORP is to provide response and reporting guidelines to minimize the adverse effects to the public and the environment that may be caused by a Sanitary Sewer Overflow (SSO). This SORP applies only to the sanitary sewer collection system and Wastewater Treatment Facility owned and operated by City of Fayette.

II. General

The SORP is designed to define appropriate actions by City of Fayette upon notification of a possible sanitary sewage overflow within the sanitary sewer system or at the Wastewater Treatment Plant. The City of Fayette shall dispatch the appropriate crews to investigate the possible overflow, identify the responsible department or crews and provide the appropriate response to minimize the effects of the overflow on public health and directions provided by the Alabama Department of Environmental (ADEM) and that notification and reporting is made to the appropriate local and state agencies and to the affected public.

III. Objectives

The objectives of this SORP are:

- To protect the public health and the environment
- To meet ADEM regulations and NPDES permit requirements
- To develop and implement procedures to mitigate the effects of an SSO
- To protect collection system and City of Fayette employees
- To ensure the collection system and Wastewater Treatment Plant is working effectively.

IV. SYSTEM INFORMATION

The City of Fayette owns, operates, and maintains a Wastewater Treatment Facility (WWTP) and a sanitary sewer collection system serving the City of Fayette and Industrial Park where DAL-Tile and Fayette County Water is located in the Covin community. (See Appendix A for map of service area). The population served is 4,630 through approximately 1,791 connections. The collection system is divided into 8 sub-basins referred to as: Haughton Acres, Hospital, 2nd Ave, Ayers Rd, Mountain View, Hwy 171, Hwy 159, Showa Glove, Downtown, Southside and Hwy 18. Within the collection system there are 5 lift stations locations include Guthrie Smith Park, Fayette Aquatic Center, Wal-Mart (located at County Road 32 & McConnel Loop), Old Industrial Park, and Hwy 159.

V. SSO AND SURFACE WATER ASSESSMENT

The City of Fayette collection system has one surface water body within the collection system which is referred to as Lake Hutto located within Guthrie Smith Park where fishing activities take place. An SSO within this area would unlikely effect the named tributary.

The City of Fayette has identified locations within the collection system where previous SSOs have occurred, along with identifying areas where sanitary sewer mains are located. A map of these locations is provided in Appendix C.

VI. SANITARY SEWER OVERFLOW RESPONSE PROCEDURES

The Sanitary Sewer Overflow Response Procedure presents a strategy for City of Fayette to mobilize labor, materials, tools and equipment to correct and repair any condition which may cause or contribute to an unpermitted discharge from The City of Fayette collection system. A wide range of potential system failures are considered by the plan. Being prepared to respond to system failures could lessen the effect of overflows to surface waters, land, or buildings.

A. Notification of Possible SSO

1. Members of the public may detect and report a possible overflow. The City of Fayette city hall or 911 service is primarily responsible for receiving phone calls from the public with notification of possible overflows from the sanitary sewer collection system. The primary phone number for City of Fayette is (205-932-5367) is available and answered Monday – Friday 8:00am – 4:00pm. To report an SSO after hours call 911. City Hall and 911 is responsible for forwarding the possible overflow information to SSO Coordinator. Contact information for customers to report possible SSOs is posted on The City of Fayette website and on Social Media contact pages.
2. The person at The City Hall receiving the call from the public will obtain all relevant information (Appendix D: Sewer Leak Report) available regarding the possible overflow including:
 - Time and date call was received.
 - Specific location and address of possible overflow
 - Description of problem
 - Caller’s name and a call back number.
3. Pump stations are checked 3 times per week. If a SSO occurs at a Lift station the operator on call is required to convey all information to the SSO Coordinator to launch an investigation in the possible SSO.
4. Sanitary sewer overflows detected by any City of Fayette personnel shall be reported to the SSO Coordinator or designee. Dispatched personnel should record all relevant overflow information a Sanitary Sewer Incident Report and shall contact additional response crews or contracted services if necessary
5. It is the responsibility of the SSO Coordinator or designee to gather and document all SSO data as soon as possible.
6. A **Sewer Overflow Incident Report** (Appendix E) should be completed by the SSO Coordinator or designee immediately following the responding crew’s confirmation of an overflow. The SSO Coordinator or designee is responsible for reviewing, updating, signing, and submitting the final sewer inspection or overflow report form to the appropriate agencies including but not limited to ADEM and Fayette County Health Department per current NPDES Permit requirements.

B. Dispatch of Appropriate Crews to Site of Sewer Overflow

Failure of any element within the City of Fayette wastewater system that causes sanitary sewage overflow will trigger a response to isolate the SSO, stop the SSO from occurring, and formulate a plan to correct the problem. Crews and equipment shall be available to respond to any SSO location 24 hours per day 7 days per week. Crews will be dispatched to any site of a reported SSO immediately upon notification.

A. Preliminary Assessment of damage to Private and Public Property

The response crews should use direction in assisting property owners/occupants who are affected by a SSO on private property. Appropriate photographs and video footage, if

possible, should be taken of the area of the SSO and impacted area, allowing for thorough documentation of the nature and extent of the impact. Photographs or video recordings are to be filed with the Sewer Overflow Incident Report Form report.

B. Coordination with Hazardous Material Response

Upon arrival at the scene of a SSO, should a suspicious substance such as oil sheen, and foamy residue be found on the ground surface or suspicious odor such as gasoline not common to the sewer system be detected, response crew leader should contact the Wastewater Manager or Supervisor for guidance before taking further action.

The Wastewater Manager or Wastewater supervisor will alert the local fire department if necessary. The response crew leader shall await the arrival of the local fire department. After arrival of the local fire department, response crew members will take direction from the commanding officer of the local fire department. Only when the commanding officer determines it is safe and appropriate for the response crew members to proceed can containment, clean-up and corrective activities be performed in accordance with the SORP.

C. Overflow Correction Containment, and Clean Up

This section describes specific actions to be performed by response crews during an SSO. The primary objective of these actions is to:

- 1) Protect public health, the environment, and property by minimizing SSO impacts as soon as possible.
- 2) Contain the SSO to the maximum extent possible including attempts to prevent the discharge of sanitary sewage into waters of the state.
- 3) Communicate preliminary overflow information as soon as practical to the public and regulatory agency and within established regulatory timeframes.
- 4) Determine the apparent cause of the overflow.

1. Responsibilities of Response Crew Upon Arrival

It is the responsibility of the first personnel who arrive at the site of a sanitary sewer overflow to protect the health and safety of the public by mitigating the impact of the overflow to the extent possible. Should the overflow not be the responsibility of The City of Fayette, but there is imminent danger to public health, public or private property, or to the waters of the State then immediate action should be taken until the responsible party assumes control and provides appropriate actions. **Upon arrival at a SSO the response crew should do the following:**

- a. Determine the cause of the sanitary sewer overflow.
- b. Request appropriate personnel, materials, supplies, and equipment which can be dispatched to minimize the impact of the overflow.
- c. Should it be determined the cause of the SSO is not the responsibility of The City of Fayette, on site personnel will take appropriate action to protect public health property (public and private) and waters of the state from imminent danger.

2. Initial Measures for Containment

Upon arrival the responding crew shall initiate measures to contain the SSO, in which minimizing the impact to public health or the environment. These measures may include, but are not limited to:

- a. Stopping flow by closing valves or turning off pumps at nearby or upstream lift stations.
- b. Jetting or otherwise clearing line blockages.
- c. Diverting flow to containment areas.

3. Additional Measures Under Potentially Prolonged Overflow Conditions

In the event of a prolonged sewer line blockage, sewer line collapse, disabled lift station or other event, a determination shall be made to set up portable bypass pumping until repairs can be made.

- a. Appropriate measures shall be taken to effectively handle the sewage flow
- b. Monitoring shall be implemented as necessary
- c. Regulatory agency notifications and /or permits shall be addressed in conjunction with emergency repairs.
- d. Public notification provided as outlined in the following sections:

4. Cleanup

Sewer overflow sites are to be promptly cleaned to the highest degree possible following an overflow. Until no identifiable residue is to remain in the area of the SSO.

- a. The SSO site is to be secured to deter access to the site by the public until the site has been thoroughly cleaned.
- b. Where practical, the area is to be flushed and cleaned of any sewage or wash-down water.
- c. Solids and debris are to be removed and transported to WWTP for proper disposal.
- d. Where appropriate, the overflow site is to be disinfected with the application of a dilution bleach solution, chlorinated water or lime. City of Fayette SSO Cleanup SOP is incorporated by reference (Copy Located in Appendix H)
- e. Any ponds formed by the SSO will be pumped dry to the extent possible and the residue returned to the wastewater collection system or properly disposed of at the WWTP
- f. Where possible, photos will be taken before and after cleanup. Photos will be filed with the Sewer Overflow Incident Report.

5. Post Cleanup

The Operations Manager or his designee shall conduct a follow-up visit at the site of the overflow to ensure the provisions of this SORP and other directives were followed. The Wastewater Manager is responsible for confirming the Sewer Overflow Incident Report was satisfactorily completed and copies provided to the General Manager, Operations Manager, and Operations Coordinator.

6. Water Quality Monitoring

The City of Fayette Water Quality Monitoring Policy is incorporated by reference (Copy located in Appendix H) Determination of monitoring may be based upon amount of overflow, location of overflow, and potential impact to the public.

D. Overflow Report

The Sewer Overflow Incident Report shall be completed by the response personnel, who shall promptly notify the Operations Manager when the overflow is eliminated. The proper completion of the Sewer Overflow Incident Report must include the following information:

1. **Determination if the SSO is “Notifiable”** by evaluating whether the overflow reached a surface water of the state or poses an imminent health hazard (volume of overflow is not a determining factor). In making the determination whether an SSO is notifiable, the following factors should be evaluated:
 - a. Sewage overflow into storm water conveyance system (ditch, storm drain, etc.) which drains to surface water of the state.
 - b. Whether public contact with the affected area is likely to occur.
 - c. Overflows where observation or on-site evidence indicates all sanitary sewage was retained on land and did not reach surface water AND where cleanup of debris is possible.
 - d. Any other pertinent information relating to each individual SSO
2. **Determine the Estimated Start Date / Time of the SSO**
 - a. Information reported to City of Fayette and later substantiated by sewer Investigator or response crew, or when City of Fayette personnel become aware of the SSO
 - b. Visual observation
3. **Determine the End Date / Time of the SSO**
 - a. When flow is controlled and contained
 - b. The arrival time of the sewer investigator or response crew, if the overflow stopped between the time, it was reported and the time of arrival
4. **Determine the Volume of the Overflow:**

The volume of the overflow may be estimated or calculated. Using one of the following methods.

 - a. Estimate the flow rate (gallons per minute) and multiply by the duration (in minutes) of the overflow.
 1. All City of Fayette Sewer personnel responding to overflow situations will have been trained regarding sewer overflow protocol.
 - b. Calculate the estimated amount of the overflow by:
 1. SCADA-indicated pump runtimes
 2. Measuring the volume if overflow is contained
 3. Counting upstream connections and multiplying by 8-10 gallons per hour per connection (for overflow occurring during the hours of 6:00am to 8:00pm)
 4. Mathematical determination (pipe flow capacity) based on site-specific conditions.
5. **Document the overflow calculation method (show your work)**

The method used for calculating the overflow (estimated or calculated shall be documented, signed and attached to the Sewer Overflow Incident Report Form.
6. **Identify and Document Corrective Measures to Stop and Contain the Overflow**

Document corrective measures on the Sewer Overflow Incident Report Form
7. **Identify and Document Long-Term Corrective Measures to Mitigate Future Occurrences if warranted**

Document long-term corrective measures (if warranted) on Sewer Overflow Incident Report Form

8. Photograph and Describe any Damage to Public / Private Property
Attach Photographs, video, and any narrative description of the overflow to the SSO Incident Report Form.

VII. Regulatory Agency Notification

The Notification Plan establishes procedures that the City of Fayette shall follow to provide formal notice to ADEM and other regulatory agencies as necessary in the event of SSOs. The following criteria explain to whom various forms of notification should be sent to, and lists agencies / individuals to be contacted.

A. Notification Procedure

The Alabama Department of Environmental Management (ADEM) and the Fayette County Health Department (FCHD) shall be notified as soon as possible after confirmation of an SSO, but no later than twenty-four (24) hours.

1. Notification to ADEM shall be made via the eSSO Electronic Reporting System. For SSOs lasting longer than 24hours, the initial eSSO must be updated with the date/time the SSO ended. In the event the eSSO system is unavailable, the Department is to be contacted within 24hours via the SSO Hotline at 334-274-4200. In the event the Hotline is utilized, a written follow-up report, ADEM Form 415 (Copy located in Appendix G) shall be submitted to the Department within 5 calendar days.
2. Notification to the Fayette County Health Department shall be made via email to the contacts listed in Appendix F (Emergency Contacts). Notification to the FCHD shall include:
 - a. Indication an SSO occurred
 - b. Source and cause of the SSO
 - c. Date of SSO
 - d. Estimated volume if known
 - e. Location of SSO
 - f. Ultimate destination (water body) of overflow
 - g. Attempts to notify the public already performed by City of Fayette

B. Responsible Officials

1. **SSO Coordinator**- This person is responsible for coordinating the SSO response. This individual shall assess the SSO and initiate a series of responses based on the type, severity, and destination of the SSO. The SSO Coordinator is responsible for organizing crews for response, containment, and clean up. The primary SSO Coordinator shall be the Wastewater Superintendent and the backup shall be a Wastewater Operator on standby.
2. **SSO Responders**- These individuals will conduct response, containment and cleanup of an overflow under the direction of the SSO Coordinator. Primary SSO Responders are the wastewater collections system personnel and any City of Fayette personnel on emergency standby duty.

3. SSO Reporter- This person is responsible for providing notification to ADEM, the FCHD, the public, and other affected entities. The primary SSO Reporter shall be the Wastewater Superintendent and the backup SSO Responder shall be the Collection System Superintendent.
4. Public Inquiries and media relations shall be the responsibility of the Wastewater Superintendent or the Collection System Superintendent.
5. Contact information for the above is listed in Appendix F (Emergency Contacts) and shall be updated annually or at any time positions / titles changes if known.

VIII. Public Notification of SSOs

In the event a notifiable SSO reaches a surface water of the state and or may imminently and substantially endanger human health based on potential for public exposure, including human contact, appropriate public notification measures shall be undertaken to warn the public of the SSO and to minimize the potential for public exposure.

A. Public Notification Methods and Timing

Various public notification measures are available to inform the public of SSOs and may be implemented in combinations depending on the potential for public exposure and possible health risks. These measures are:

- Immediate Press Release to local print and broadcast media outlets
- Notification to FCHD who provide a media press release within 24 hours
- Social Media Post (Facebook, Twitter) and City of Fayette Website notifications
- Signage on local waterways where overflow occurred or drained into
- Flyers, doorhangers, or other-directed notifications

Notification to the Public shall be made as soon as possible, but in no event more than 24 hours after confirmation of an SSO.

B. Procedures for Determining Appropriate Public Notification Method

Notifiable SSOs shall be categorized as Class 1, 2, or 3 depending on potential for public exposure.

1. A **Class 1 SSO** is characterized as an overflow directly into a primary local waterway and easily accessible to the general public.
 - Immediate press releases to local media
 - Notice to FCHD who will issue a press release
 - Posting on City of Fayette website and social media pages
 - Signage where appropriate and in accordance with Section VIII. D. outlined below
2. A **Class 2 SSO** is characterized as an overflow into a surface water of the state OR that has the potential to impact the public at large. Public Notification for a Class 2 SSO may include, but is not limited to:
 - Notice to FCHD who will issue press release
 - Posting on City of Fayette website and social media pages
 - Signage if appropriate and in accordance with section VIII.D. outlined below
3. A **Class 3 SSO** is characterized as an overflow that does not reach a surface water of the state but has the potential for limited public impact. Public notification for a Class 3 SSO may include but not limited to:

- Directed notifications to the affected public such as flyers or doorhangers
- Notice to Fayette County Health Department and providing statement that the affected public has already been notified by The City of Fayette
- Posting on City of Fayette website and social media pages
- Signage if appropriate and in accordance with Section VII.D outlined below

In the event of an extreme weather event which floods the entire system and causes multiple overflows, City of Fayette will provide public notification as soon as feasibly possible following the event; and according to the methods outlined above based on the aggregate volume of overflows.

C. Required Information

In the event of a notifiable SSO, public notification shall include the following information:

- Indication an SSO occurred
- Source and cause of the SSO if known
- Date of SSO
- Estimated volume if known
- Location of SSO
- Ultimate destination (water body) overflow
- Where appropriate public education statements to inform the public on methods to prevent future SSOs
- Means to contact City of Fayette both during normal and after business hours to report an SSO or for additional information

D. Specific Procedures for Installation of Signage

In the event signage is used to provide public notification, the following shall be utilized where practical:

1. Signs shall be 11"x17"
2. Signs will be reproduced and customized for each incident to include at a minimum.
 - Indication an SSO has occurred
 - Date of SSO
 - Location of SSO
 - Caution Statement
 - Contact information for obtaining additional information
3. Signs shall be installed in locations downstream of the overflow and where the public is likely to access the SSO.
 - Signs shall remain in place for a minimum of 24 hours but not longer than 72 hours from time of the overflow unless specific conditions warrant a longer amount of time.

IX SSO Response Plan Administrative Procedures

A. Copies of the SORP

A copy of this SORP shall be maintained at the WWTP, City of Fayette Shop and at the City Hall. A copy shall be made available for inspection by ADEM at any time.

A copy of this SORP shall be publicly available on The City of Fayette website.

B. Training on the SORP

Any personnel required to implement portions of this SORP shall be trained in the procedures contained herein at least once per year. Personnel requiring training are:

- All WWTP personnel
- All wastewater collection personnel
- Wastewater Superintendent
- General Sewer
- Any other employee deemed necessary

Any new employee in any of these positions shall receive training on this SORP during orientation. Should significant revisions be made to this SORP, training regarding the revisions shall be conducted as soon as possible for all above personnel. Documentation of such training shall be maintained and provided to ADEM upon request.

C. Review of the SORP

City of Fayette shall complete a review and evaluation of the SORP annually. The emergency contact lists shall be updated at a minimum annually, or as needed if the positions changed if known. Review of the SORP shall be signed and dated by the responsible official or appropriate designee.

Appendix A

MAP OF SERVICE AREA

To view a map with clearly identifiable features, please
contact the

Wastewater Superintendent at 205-932-5367.

APPENDIX B

LIST OF PUMPING STATIONS AND LOCATIONS

Pump Station Locations

Guthrie Smith Park (Park Pump Station)

Fayette Aquatic Center (Aquatic Center)

McConnell Loop Road & County Road 38 (Wal-Mart)

Tile Plant Road (Old Industrial Park)

State Highway 159 & 22nd St NW (Hwy 159)

APPENDIX C

SURFACE WATERS AND LOCATIONS OF PREVIOUS SSOs

To view a map with clearly identifiable features, please
contact the

Wastewater Superintendent at 205-932-5367.

APPENDIX D

SEWER LEAK REPORT

SEWER LEAK CALL REPORT

Person Taking Call: _____

Date: _____ Time: _____

Caller Name: _____

Company (If Applicable): _____

Address: _____

Phone Number: _____

Location of possible sewer leak: _____

Description of problem / SSO

Emergency: _____

Leak Location (closest intersecting road):

How long has the leak been noticed?

Call Received By:

Call in

Walk in

Other

Call Reported To: _____

Date: _____

Time: _____

APPENDIX E

SEWER OVERFLOW INCIDENT REPORT



SANITARY SEWER INCIDENT REPORT
NPDES PERMIT NUMBER: AL0054640

COLLECTION SYSTEM

WASTEWATER TREATMENT PLANT

1. Location: (list street address, nearest intersection or other information necessary to accurately describe the location) _____
GIS Coordinates _____
2. Date of Discovery: _____ Time of Discovery: _____
3. Reported BY: _____ Date: _____ Time: _____
4. Indicate source of discharge event: manhole lift station broken line
 Cleanout other (describe) _____
5. Indicate cause of Discharge event: Grease Roots Other
 Wet Weather Power Loss Pump Failure
6. Description: _____

7. Ultimate Destination of Flow: Surface Water _____
 Dry Land Storm Drain Other _____
8. Duration: _____
9. Time Corrected: _____
10. Repaired By: _____
11. Volume of Discharge: _____
12. Intended Destination of Flow: WWTP Lift Station Name: _____
13. Area Treated: Chlorinated Yes No Limed Yes No
14. Action(s) Taken: _____
15. Long Term Corrective Action: _____

Signature: _____

APPENDIX F

EMERGENCY CONTACTS

Emergency contact list

Sanitary sewer collection system

Marty Weeks (205-442-5651)

Wastewater Treatment Plant

Matt Buckner (205-270-6214)

Police Department

Danny Jenkins (205-361-0732)

Fire Department

Shannon Taylor (205-310-0129)

City Hall

Office (205-932-5367)

Mayor

Rod Northam (205-270-3930)

APPENDIX G

ADEM Form 415

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM) SANITARY SEWER OVERFLOW (SSO) EVENT REPORTING FORM

Purpose of Form: All publicly or privately owned wastewater treatment plants holding an NPDES permit are required to provide immediate notification to the Alabama Department of Environmental Management (ADEM), county public health officials, the public, and any other affected entity such as public water systems as soon as possible upon becoming aware of any notifiable sanitary sewer overflow (SSO) events.

A "notifiable SSO", as defined in ADEM Admin. Code r. 335-6-6-.02(hh), is an overflow, spill, release or diversion of wastewater from a sanitary sewer system that either (1) reaches a surface water of the State or (2) may imminently and substantially endanger human health based on potential for public exposure including but not limited to close proximity to public or private water supply wells or in areas where human contact would be likely to occur. Immediate notification shall be provided within 24 hours of becoming aware of the event. This immediate notification may be made either verbally to the Department's SSO Hotline at (334) 274-4200 or electronically to the Department's eSSO Electronic Reporting System. The follow-up report shall be submitted within five days of becoming aware of the SSO event using either this form or the Department's eSSO Electronic Reporting System.

Facilities are strongly urged to utilize the electronic system. Registration information for the Department's eSSO system can be found at the following link: (<https://e2.adem.alabama.gov/NPDES>).

Permittee Name: _____ Permit Number: _____

Facility Name: _____ Facility County: _____

Date/Time¹ SSO Began: _____ Is the SSO on-going? Yes No If no, Date/Time¹ SSO Stopped: _____

Did the SSO occur during wet weather? Yes No

Was the SSO caused by an extreme weather event (e.g. hurricane) that flooded the entire sewer system? Yes No

If yes, describe the nature of the extreme weather event: _____

Note: For notifiable SSOs caused by an extreme weather event (e.g., hurricane) that floods the entire sewer system and are too numerous to count, the permittee is not required to provide information that cannot be practicably captured (e.g. latitude/longitude, source/structure, duration of the SSO, the estimated discharge volume, the receiving waterbody, the corrective actions taken, or the potential impacts).

REPORT ESTIMATED VOLUME DISCHARGED- REQUIRED

If estimated volume discharged is known, the VALUE section should be completed. If you only select a RANGE, you should be aware that the estimated volume discharged will be considered to be the largest value of the range selected.

VALUE	Estimated Volume Discharged: _____ gallons			
RANGE	<input type="checkbox"/> ≤ 1,000 gallons	<input type="checkbox"/> 1,000 < gallons ≤ 10,000	<input type="checkbox"/> 10,000 < gallons ≤ 25,000	<input type="checkbox"/> 25,000 < gallons ≤ 50,000
	<input type="checkbox"/> 50,000 < gallons ≤ 75,000	<input type="checkbox"/> 75,000 < gallons ≤ 100,000	<input type="checkbox"/> 100,000 < gallons ≤ 250,000	<input type="checkbox"/> 250,000 < gallons ≤ 500,000
	<input type="checkbox"/> 500,000 < gallons ≤ 750,000	<input type="checkbox"/> 750,000 < gallons ≤ 1,000,000	Any estimated volume above 1,000,000 gallons should be entered in the VALUE section	

Was the Department notified within 24 hours? Yes No Date/Time¹ of Notification: _____

Method of notification: Verbal/Telephone Electronic via eSSO Other _____

If notification was not submitted via eSSO, person that notified the Department: _____ Phone Number: (____) _____ - _____

Indicate source of discharge event: Manhole Lift Station Broken Line
 Cleanout Treatment Plant
 Other (describe): _____

County in which SSO occurred: _____

Latitude/Longitude of discharge (REQUIRED) [Report coordinates in decimal degrees to the precision indicated (e.g. 32.463022°, -86.397067°)]:

Latitude ° Longitude - °

Location of discharge (street address, etc.): _____

¹ Time reported is assumed to be Central Time Zone, unless otherwise indicated.

Known or suspected cause of the discharge:

Destination of discharge: Ground Absorbed Storm Drain* Backup into Building/Residence Drainage Ditch* Creek or River (name of the first named surface water the discharge reached): Other (describe):

*If the SSO discharge first entered a storm drain or drainage ditch, you must also provide the first named creek or river that receives the flow from that storm drain/drainage ditch.

Did the discharge reach a designated swimming water? Yes No Unknown

Monitoring of the receiving water (i.e. visual survey or water quality sampling) is: Complete (Monitoring results are attached or have been submitted to ADEM) Ongoing (Monitoring results will be submitted to ADEM upon completion) Not Performed

Was the affected area: Cleaned? Yes No Disinfected? Yes No

Are you aware of any other potential health or environmental impacts? No Yes If Yes, please describe:

Describe corrective actions taken, plans to eliminate future discharges, and actions or plans to mitigate impacts to the environment and/or public health (attach additional sheets if necessary):

Indicate efforts to notify public (check all that apply): Press Release Date: Placement of Signs Date: Other (describe): Date: Notice not required, because:

Indicate other officials notified (check all that apply): County Health Department Date: State Health Department Date: Other (describe): Date: Notice not required, because:

Other states notified: Florida Georgia Mississippi Tennessee

Were any public water supply intake locations affected? No Yes

If yes, who was notified: Date:

I certify that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information to be true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

Signature of Responsible Official/Duly Authorized Representative: Date:

Name of Responsible Official/Duly Authorized Representative (type or print):

Title of Responsible Official/Duly Authorized Representative:

APPENDIX H

SOPs Incorporated by Reference

To view a map with clearly identifiable features, please
contact the

Wastewater Superintendent at 205-932-5367.

TABLES FOR ESTIMATED SSO FLOW OUT OF MANHOLES

TABLE 'A'
ESTIMATED SSO FLOW OUT OF M/H WITH COVER IN PLACE

24" COVER				36" COVER			
Height of spout above M/H rim H in inches	S S O FLOW Q		Mln. Sewer size in which these flows are possible	Height of spout above M/H rim H in inches	S S O FLOW Q		Mln. Sewer size in which these flows are possible
	in gpm	in MGD			in gpm	in MGD	
1/4	1	0.001		1/4	1	0.002	
1/2	3	0.004		1/2	4	0.006	
3/4	6	0.008		3/4	8	0.012	
1	9	0.013		1	13	0.019	
1 1/4	12	0.018		1 1/4	18	0.026	
1 1/2	16	0.024		1 1/2	24	0.035	
1 3/4	21	0.030		1 3/4	31	0.044	
2	25	0.037		2	37	0.054	
2 1/4	31	0.045		2 1/4	45	0.065	
2 1/2	38	0.054		2 1/2	55	0.079	
2 3/4	45	0.065		2 3/4	66	0.095	
3	54	0.077		3	78	0.113	
3 1/4	64	0.092		3 1/4	93	0.134	
3 1/2	75	0.107		3 1/2	109	0.157	
3 3/4	87	0.125		3 3/4	127	0.183	
4	100	0.145		4	147	0.211	
4 1/4	115	0.166		4 1/4	169	0.243	
4 1/2	131	0.189		4 1/2	192	0.276	
4 3/4	148	0.214		4 3/4	217	0.312	6"
5	166	0.240		5	243	0.350	
5 1/4	185	0.266		5 1/4	270	0.389	
5 1/2	204	0.294		5 1/2	299	0.430	
5 3/4	224	0.322	6"	5 3/4	327	0.471	
6	244	0.352		6	357	0.514	
6 1/4	265	0.382		6 1/4	387	0.558	8"
6 1/2	286	0.412		6 1/2	419	0.603	
6 3/4	308	0.444		6 3/4	451	0.649	
7	331	0.476		7	483	0.696	
7 1/4	354	0.509		7 1/4	517	0.744	
7 1/2	377	0.543		7 1/2	551	0.794	
7 3/4	401	0.578	8"	7 3/4	587	0.845	10"
8	426	0.613		8	622	0.896	
8 1/4	451	0.649		8 1/4	659	0.949	
8 1/2	476	0.686		8 1/2	697	1.003	
8 3/4	502	0.723		8 3/4	734	1.057	
9	529	0.761		9	773	1.113	

Disclaimer:

This sanitary sewer overflow table was developed by Ed Euyen, Civil Engineer, P.E. No. 33955, California, for County Sanitation District 1. This table is provided as an example. Other Agencies may want to develop their own estimating tables.

TABLES FOR ESTIMATED SSO FLOW OUT OF MANHOLES

TABLE 'A'
ESTIMATED SSO FLOW OUT OF M/H WITH COVER IN PLACE

24" COVER				36" COVER			
Height of spout above M/H rim H in inches	S S O FLOW Q		Min. Sewer size in which these flows are possible	Height of spout above M/H rim H in inches	S S O FLOW Q		Min. Sewer size in which these flows are possible
	in gpm	in MGD			in gpm	in MGD	
1/4	1	0.001		1/4	1	0.002	
1/2	3	0.004		1/2	4	0.006	
3/4	6	0.008		3/4	8	0.012	
1	9	0.013		1	13	0.019	
1 1/4	12	0.018		1 1/4	18	0.026	
1 1/2	16	0.024		1 1/2	24	0.035	
1 3/4	21	0.030		1 3/4	31	0.044	
2	25	0.037		2	37	0.054	
2 1/4	31	0.045		2 1/4	45	0.065	
2 1/2	38	0.054		2 1/2	55	0.079	
2 3/4	45	0.065		2 3/4	66	0.095	
3	54	0.077		3	78	0.113	
3 1/4	64	0.092		3 1/4	93	0.134	
3 1/2	75	0.107		3 1/2	109	0.157	
3 3/4	87	0.125		3 3/4	127	0.183	
4	100	0.145		4	147	0.211	
4 1/4	115	0.166		4 1/4	169	0.243	
4 1/2	131	0.189		4 1/2	192	0.276	
4 3/4	148	0.214		4 3/4	217	0.312	6"
5	166	0.240		5	243	0.350	
5 1/4	185	0.266		5 1/4	270	0.389	
5 1/2	204	0.294		5 1/2	299	0.430	
5 3/4	224	0.322	6"	5 3/4	327	0.471	
6	244	0.352		6	357	0.514	
6 1/4	265	0.382		6 1/4	387	0.558	8"
6 1/2	286	0.412		6 1/2	419	0.603	
6 3/4	308	0.444		6 3/4	451	0.649	
7	331	0.476		7	483	0.696	
7 1/4	354	0.509		7 1/4	517	0.744	
7 1/2	377	0.543		7 1/2	551	0.794	
7 3/4	401	0.578	8"	7 3/4	587	0.845	10"
8	426	0.613		8	622	0.896	
8 1/4	451	0.649		8 1/4	659	0.949	
8 1/2	476	0.686		8 1/2	697	1.003	
8 3/4	502	0.723		8 3/4	734	1.057	
9	529	0.761		9	773	1.113	

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TABLE 'B'
ESTIMATED SSO FLOW OUT OF M/H WITH COVER REMOVED

24" FRAME

Water Height above M/H frame H in inches	S S O FLOW Q		Min. Sewer size in which these flows are possible
	in gpm	in MGD	
1/8	28	0.04	
1/4	62	0.09	
3/8	111	0.16	
1/2	160	0.23	
5/8	215	0.31	6"
3/4	354	0.51	8"
7/8	569	0.82	10"
1	799	1.15	12"
1 1/8	1,035	1.49	
1 1/4	1,340	1.93	15"
1 3/8	1,660	2.39	
1 1/2	1,986	2.86	
1 5/8	2,396	3.45	18"
1 3/4	2,799	4.03	
1 7/8	3,132	4.51	
2	3,444	4.96	21"
2 1/8	3,750	5.4	
2 1/4	3,986	5.74	
2 3/8	4,215	6.07	
2 1/2	4,437	6.39	
2 5/8	4,569	6.58	24"
2 3/4	4,687	6.75	
2 7/8	4,799	6.91	
3	4,910	7.07	

36" FRAME

Water Height above M/H frame H in inches	S S O FLOW Q		Min. Sewer size in which these flows are possible
	in gpm	in MGD	
1/8	49	0.07	
1/4	111	0.16	
3/8	187	0.27	6"
1/2	271	0.39	
5/8	361	0.52	8"
3/4	458	0.66	
7/8	556	0.8	10"
1	660	0.95	12"
1 1/8	1,035	1.49	
1 1/4	1,486	2.14	15"
1 3/8	1,951	2.81	
1 1/2	2,424	3.49	18"
1 5/8	2,903	4.18	
1 3/4	3,382	4.87	
1 7/8	3,917	5.64	21"
2	4,458	6.42	
2 1/8	5,000	7.2	24"
2 1/4	5,556	8	
2 3/8	6,118	8.81	
2 1/2	6,764	9.74	
2 5/8	7,403	10.66	
2 3/4	7,972	11.48	30"
2 7/8	8,521	12.27	
3	9,062	13.05	
3 1/8	9,604	13.83	
3 1/4	10,139	14.6	
3 3/8	10,625	15.3	36"
3 1/2	11,097	15.98	
3 5/8	11,569	16.66	
3 3/4	12,035	17.33	
3 7/8	12,486	17.98	
4	12,861	18.52	
4 1/8	13,076	18.83	
4 1/4	13,285	19.13	
4 3/8	13,486	19.42	

Disclaimer:

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TABLE 'C'
ESTIMATED SSO FLOW OUT OF M/H PICK HOLE

Height of spout above M/H cover H In Inches	SSO FLOW Q In gpm	Height of spout above M/H cover H In Inches	SSO FLOW Q In gpm
1/8	1.0	5 1/8	6.2
1/4	1.4	5 1/4	6.3
3/8	1.7	5 3/8	6.3
1/2	1.9	5 1/2	6.4
5/8	2.2	5 5/8	6.5
3/4	2.4	5 3/4	6.6
7/8	2.6	5 7/8	6.6
1	2.7	6	6.7
1 1/8	2.9	6 1/8	6.8
1 1/4	3.1	6 1/4	6.8
1 3/8	3.2	6 3/8	6.9
1 1/2	3.4	6 1/2	7.0
1 5/8	3.5	6 5/8	7.0
1 3/4	3.6	6 3/4	7.1
1 7/8	3.7	6 7/8	7.2
2	3.9	7	7.2
2 1/8	4.0	7 1/8	7.3
2 1/4	4.1	7 1/4	7.4
2 3/8	4.2	7 3/8	7.4
2 1/2	4.3	7 1/2	7.5
2 5/8	4.4	7 5/8	7.6
2 3/4	4.5	7 3/4	7.6
2 7/8	4.6	7 7/8	7.7
3	4.7	8	7.7
3 1/8	4.8	8 1/8	7.8
3 1/4	4.9	8 1/4	7.9
3 3/8	5.0	8 3/8	7.9
3 1/2	5.1	8 1/2	8.0
3 5/8	5.2	8 5/8	8.0
3 3/4	5.3	8 3/4	8.1
3 7/8	5.4	8 7/8	8.1
4	5.5	9	8.2
4 1/8	5.6	9 1/8	8.3
4 1/4	5.6	9 1/4	8.3
4 3/8	5.7	9 3/8	8.4
4 1/2	5.8	9 1/2	8.4
4 5/8	5.9	9 5/8	8.5
4 3/4	6.0	9 3/4	8.5
4 7/8	6.0	9 7/8	8.6
5	6.1	10	8.7

Unrestrained
M/H cover will
start to lift

Note: This chart is based on a 7/8 inch diameter pick hole

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APPENDIX I

Water Quality Monitoring Policy

Water Quality Monitoring Policy

Determination of the Water Quality Monitoring Policy is based on the imminent threat to the public. If the sanitary sewer overflow is endangering the public and has reached a well-known water source such as lake, creek or an area known to be visited by the public. The wastewater superintendent should be contacted to retrieve a water sample taken at the SSO site and evaluated for water borne disease.

Location of overflow: _____

Potential impact to the public? Yes No

Did the sewer overflow reach a known water source? Yes No

Has the Sewer Overflow reached a Storm Drain? Yes No

Was the Sewer Overflow located at an Industrial Site? Yes No

X

x

Appendix J

SSO Signage