

STORM WATER MANAGEMENT PROGRAM PLAN January 31, 2019

Prepared For

City of Tarrant

1604 Pinson Valley Parkway

Tarrant, Alabama 35217

Prepared by

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Signatory and Certification Requirements:

I certify under the 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 persons who manage the system, or those persons directly responsible for gathering the information the information 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.

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Mayor, City of Tarrant

15th January 2019

Date

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CONTENTS

INTRODUCTION	8
Regulatory Overview	8
MS4 Jurisdictional Boundary	9
LEGAL AUTHORITY AND ENFORCEMENT	9
STORM WATER COLLECTION SYSTEMS OPERATIONS	14
Structural Controls Mapping	14
Structural Controls Inspection	14
Standard Operating Procedure (SOP) for Structural Control Inspection and Maintenance Procedures	14
Stabilization and Re-Vegetation of Eroded Areas	
Floatables, Litter, Sediment and Debris in Structural Controls	15
PUBLIC EDUCATION AND PUBLIC INVOLVEMENT ON STORM WATER IMPA	ACTS
	16
Development and Implementation of the SWMPP	16
Public Access to City Storm Water Documents	16
Targeted Pollutant Sources for Public Education	16
Reduction of Litter Floatables and Debris	16
Educating Individuals and Households on Reducing Storm Water Pollution	16
Community Involvement with the Storm Water Program	17
General Public	
Businesses	17
Homeowners, Landscapers, and Property Managers	17
Engineers, Contractors, and Developers	18
Evaluating the Effectiveness of the Public Education Program	18

Public Awareness Activities	18
ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)	19
MS4 Map	19
Ordinance/Regulatory Mechanism	19
Dry Weather Screening Program	
Source Identification	
Illicit Discharge Elimination	20
ADEM Notification by the City	20
Illicit Discharge Reporting by the Public	21
Personnel Training	21
Ordinance/Regulatory Mechanism Availability	21
CONSTRUCTION SITE STORM WATER RUNOFF CONTROL	22
Erosion and Sedimentation Control Complaints	22
Site Plan Reviews	22
Site Inspection Plan	22
Training of MS4 Site Inspection Staff	22
Construction Site Inspection Checklist	23
Enforcement Response Plan (ERP)	23
Construction Site Operator Training	23
POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEV	
Ordinance/Regulatory Mechanism	24
Inventory of Post Construction Structural Controls	24
SPILL PREVENTION AND RESPONSE	25
City Response Protocol	25
Snill Prevention/Snill Response Plan	25

Personnel Spill Prevention/Response Training	25
POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL	26
OPERATIONS	
Municipal Facilities Inventory	
Good Housekeeping Practices SOP	26
Inspection Plan	26
Good Housekeeping Training Program	26
Short Term and long Term Trash Removal Strategy	26
APPLICATION OF PESTICIDES, HERBICIDES, AND FERTILIZERS (PHFs)	27
Application and Storage	27
PHF Training Program	27
OILS, TOXICS, AND HOUSEHOLD HAZARDOUS WASTE	30
Public Education on Proper Disposal	30
Annual Employee Training	30
INDUSTRIAL STORM WATER RUNOFF	30
Inventory of High Risk Facilities	30
Inspection of High Risk Facilities	30
WET-WEATHER MONITORING AND REPORTING	32
Monitoring Locations	32
Impaired Waterways	32
Monitoring Parameters and Frequency	32
Sample Type, Collection and Analysis	33
Other requirements	35
SWMPP Plan Review and Modification	35
Annual Report	35

FIGURES

ıЗ
13
28
29
31
34

APPENDICES

Appendix A – Tarrant Storm Water Program Documents

Appendix B - Storm Water Collection Systems Operations

Appendix C - Illicit Discharge Detection and Elimination (IDDE)

Appendix D - Construction Site Storm Water Runoff Control

Appendix E - Spill Prevention and Response

Appendix F - Pollution Prevention/Good Housekeeping for Municipal Operations

Appendix G – Industrial Storm Water Runoff

INTRODUCTION

REGULATORY OVERVIEW

The City of Tarrant (City) was issued by the Alabama Department of Environmental Management (ADEM) a Municipal Separate Storm Sewer System (MS4) Individual Phase I Permit (ALS000020) on June 7, 2017 (Appendix A). This permit went into effect on July 1, 2017. Previously, the City was included as a Co-Permittee under permit number ALS000001.

As a condition of this permit, "The permittee is required to develop, revise, implement, maintain and enforce a storm water management program (SWMP) which shall include controls necessary to reduce the discharge of pollutants from its MS4 consistent with Section 402(p)(3)(B) of the Clean Water Act and 40 CFR Part 122.26. These requirements shall be met by the development and implementation of a storm water management program plan (SWMPP) which addresses the best management practices (BMPs), control techniques and systems, design and engineering methods, public participation and education, monitoring, and other appropriate provisions designed to reduce the discharge of pollutants from the MS4 to the Maximum Extent Practicable (MEP)".

Per the requirements of NPDES Permit Number ALS000020, BMPs, measurable goals, and responsibility designations are provided for each of the following program elements:

- Storm Water Collection System Operations
- Public Education and Public Involvement on Storm Water Impacts
- Illicit Discharge Detection and Elimination
- Construction Site Storm Water Runoff Control
- Post-Construction Storm Water Management in New Development and Re- Development
 - Spill Prevention and Response
 - Pollution Prevention/Good Housekeeping for Municipal Operations
 - Application of Pesticides, Herbicides, and Fertilizers
 - Oils, Toxics, and Household Hazardous Waste Control
 - Industrial Storm Water Runoff

ADEM defines the fiscal year as October 1st to September 30th. Annual reports are required to be submitted to ADEM no later than January 31st following the previous fiscal year.

MS4 JURISDICTIONAL BOUNDARY

Tarrant's MS4 boundary is bound to the north by the city of Birmingham, to the south by the city of Birmingham and to the east and west by the cities of Birmingham and Fultondale respectively. Approximately 6.4 square miles of residential, commercial, industrial, undeveloped lands, and streams make up the MS4 boundary. See Figure 1: MS4 Boundary.

LEGAL AUTHORITY AND ENFORCEMENT

Part II C of the permit requires the City to review and revise its ordinances and regulatory mechanisms as necessary to comply with the permit. Below is a summary of the current ordinances, municipal codes, and regulations related to the management of Tarrant's MS4. These ordinances are found in **Appendix A**.

Ordinance 1107, 7-17-2018, Erosion and Sedimentation Control
Ordinance: Controls sedimentation leaving construction sites. The ordinance describes the fees, regulations, and the requirements surrounding a land disturbing permit issuance.

Ordinance 1108, 7-17-2018, Illicit Discharge Ordinance: Controls the introduction of pollutants into the municipal separate storm sewer system (MS4).

Ordinance 1109, 7-17-2018, Post-Construction Ordinance: To address and enforce post-construction stormwater management standards on qualifying sites to prevent or minimize water quality.

Ordinance 887, Art. 4, 7-7-1998: Approved by the Planning and Zoning Board and carry the force of a City Ordinance. All subdivision proposals shall be consistent with the need to minimize flood damage.

Ordinance 927, Article IX,8-20-2001 Landscape Regulations: Encourages the planting of trees and shrubs to aid in the prevention of erosion and sedimentation, reduce storm water runoff, help control drainage, and restore denuded soil subsequent to construction and grading.

Ordinance 887, Art. 1, 7-7-1998, Flood Ordinance: It is the purpose of this article to promote the public health, safety and general welfare and to minimize public and private losses due to flood conditions in specific areas by provisions designed around the floodplain as well as controlling the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of floodwaters.

Ordinance 587, 5-19-1975, Litter Ordinance: No person shall throw or deposit litter in or upon any street, sidewalk or other public place within the city except in public receptacles, in authorized private receptacles for collection, or in official city sanitary landfills.

Ordinance 503,1-17-1966, Nuisance Ordinance: No person shall leave any partially dismantled, non-operating, wrecked, or junked vehicles on any street or highway within the city.

In 2011 the City of Tarrant also adopted a Standard Operating Procedure (SOP) Manual detailing guidelines for addressing many activities associated with the program elements. The SOP Manual is found in **Appendix A**.

The following table reflects which City department is responsible for implementing or coordinating BMPs for each separate program element:

DEPARTMENT	RESPONSIBILITIES		
	Storm Water Collection Systems Operations		
JCDH/SWMA	Maintain map of City owned/maintained structural controls		
Inspections	Semi-annual inspection of new and existing structural controls		
Inspections	Develop SOP, inspection checklist, and maintenance procedures		
Public Works	Stabilize and re-vegetate eroded areas as needed		
Public Works	Remove floatable, litter, sediment, and debris from structural controls		
	Public Education and Public Involvement on Storm Water Impacts		
Administration	Seek and consider public input in the development and implementation of the SWMPP		
Public Works	Post signs prohibiting littering and illegal dumping		
Administration	Educating individuals and households on reducing storm water pollution		
Administration	Community involvement in the storm water program		
Administration	Evaluate the effectiveness of the public education program		
Administration	Organize annual cleanup		
Auministration	Illicit Discharge Detection and Elimination (IDDE)		
JCDH/SWMA	Develop MS4 map of outfalls		
Administration	Develop applicable ordinances and other regulatory mechanisms		
JCDH/SWMA	Screen 20% of the stream miles during dry weather conditions		
JCDH/SWMA/City Personnel	Illicit discharge source identification		
JCDH/Code Enforcement	Elimination of illicit discharges		
Administration	Procedures to notify ADEM of a suspected illicit discharge entering the MS4 from an ad MS4		
Administration	Illicit discharge public reporting system		
JCDH/SWMA	Educating employees on detecting an IDDE , tracing the source of and eliminating illic discharge		
Administration	Ordinance/Regulatory mechanism availability		
	Construction Site Storm Water Runoff Control		
Engineering	Site plan reviews		
Inspections/Engineering	Site inspection plan		
Inspections	Inspection staff training		
Inspections	Construction site inspection checklist		
Administration	Enforcement Response Plan (ERP)		
Administration and Inspections	Construction site operator education		

DEPARTMENT	RESPONSIBILITIES	
Post-Construction	n Storm Water Management in New Development and Re-Development	
Administration	Develop applicable ordinances and other regulatory mechanisms	
Inspections	Inventory of post construction structural controls	
	Spill Prevention and Response	
Fire and Rescue	Spill prevention/spill response plan	
JCDH	Educating employees on spill prevention/spill response	
	ion Prevention/Good Housekeeping for Municipal Operations	
All Departments	Inventory of municipal facilities	
All Departments	Good housekeeping practices SOP	
All Departments	Inspection plan	
JCDH	Educating employees on good housekeeping	
	Application of Pesticides, Herbicides, and Fertilizers(PHFs)	
Parks and Recreation	Application and storage of PHFs	
JCDH	Educating employees on PHFs usage and storage	
JOH	Oils, Toxics, and Household Hazardous Waste Control	
Administration	Public education on proper disposal	
JCDH	Educating employees on oils, toxics, and household hazardous waste	
JOH	Industrial Storm Water Runoff	
JCDH/Administration	Inventory of high risk facilities	
JCDH	Inspection of high risk facilities	
JCDII	Wet Weather Monitoring and Reporting	
JCDH	Monitoring locations	
JCDH	Impaired waterways review	
JCDH	Sampling	
JCDII	Other Requirements	
JCDH/Administration	SWMPP plan review and modification	
JCDH/Administration JCDH/Administration	Annual Report submittal	

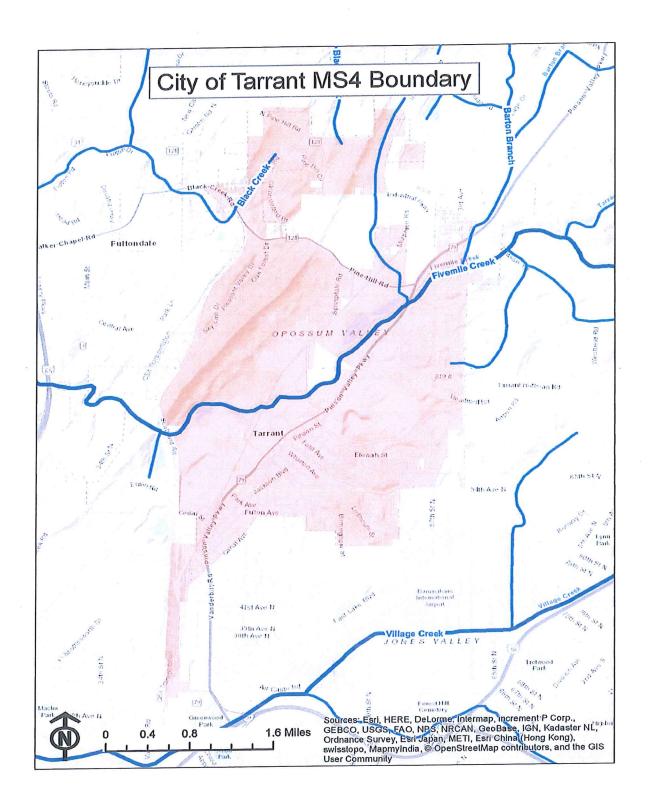


Figure 1: MS4 Boundary

STORM WATER COLLECTION SYSTEMS OPERATIONS

STRUCTURAL CONTROLS MAPPING

The City currently has no owned/maintained structural controls within the MS4 boundary limits.

The City will monitor the addition of any City owned/ maintained structural controls.

Responsible Department: Inspections

STRUCTURAL CONTROLS INSPECTION

As stated in the permit, all existing and new structural controls owned/maintained by the Permittee shall be inspected using a standard inspection form found in **Appendix B** on a semi-annual basis, at a minimum. While the City does not own/maintain structure controls currently, any future inspections will be performed by a city inspector and/or a contractor. Any deficiencies or maintenance recommendations listed on the inspection form in regards to the structural control will be addressed by Public Works.

Responsible Department: Inspections

STANDARD OPERATING PROCEDURE (SOP) FOR STRUCTURAL CONTROL INSPECTION AND MAINTENANCE PROCEDURES

The standard inspection form found in Appendix B is used to document structural control inspections. Once any maintenance is completed, a city inspector and/or a contractor will reinspect the Structural Control to ensure the structure can effectively function as designed.

Responsible Department: Inspections

STABILIZATION AND RE-VEGETATION OF ERODED AREAS

During the inspection of the structural controls, areas of erosion will be documented. The Public Works Department will receive a copy of the inspection documentation noting the eroded areas and will stabilize and re-vegetate these areas.

Responsible Department: Public Works

FLOATABLES, LITTER, SEDIMENT AND DEBRIS IN STRUCTURAL CONTROLS

All floatables, litter, sediment, and/or debris found during the structural inspection will be documented. The Public Works Department will receive a copy of the inspection documentation and will remove the noted items. Public Works will maintain documentation of the estimated amounts of floatables, litter, sediment and debris removed during maintenance activities using the Storm Water Online Activity Record (SOAR) program.

Responsible Department: Public Works

PUBLIC EDUCATION AND PUBLIC INVOLVEMENT ON STORM WATER IMPACTS

DEVELOPMENT AND IMPLEMENTATION OF THE SWMPP

The City will seek public input on the SWMPP by posting the draft SWMPP on Tarrant's website for comments. Notification announcements will be made at council meetings. The Council-approved SWMPP for the upcoming year will then be posted on the on the website and be submitted yearly with the annual report on January 31st.

Responsible Department: Administration

PUBLIC ACCESS TO CITY STORM WATER DOCUMENTS

The City has posted copies of the current Annual Report, draft SWMPP, current SWMPP and the NPDES permit on the City's website. These documents will routinely get updated on the website whenever new ones are approved by the city council and/or submitted to ADEM.

Responsible Department: Administration

TARGETED POLLUTANT SOUCES FOR PUBLIC EDUCATION

The City discusses targeted pollutant sources in the section of the SWMPP titled "Community Involvement with the Storm Water Program".

REDUCTION OF LITTER FLOATABLES AND DEBRIS

The City currently maintains litter signage within the City of Tarrant. The City will investigate options for installing additional signage, in practical locations, referencing the City's litter control ordinance. Administration will approve the messages and Public Works will install the signs and/or labels.

Responsible Department: Administration and Public Works

EDUCATING INDIVIDUALS AND HOUSEHOLDS ON REDUCING STORM WATER POLLUTION

The City has posted on its website, information describing Tarrant's Storm Water Program. The information will include general information about the storm water permit with links and

brochures about different ways to reduce storm water pollution in relation to the different community segments. The information and links will be modified and/or updated on the website as needed. These same brochures on storm water issues are placed at City Hall for public pickup.

Responsible Department: Administration

COMMUNITY INVOLVEMENT WITH THE STORM WATER PROGRAM

GENERAL PUBLIC

The City has developed a storm water page on its website and place in City facilities brochures containing information that informs the public of:

- General impacts litter has on water bodies and ways to reduce the litter
- General impacts of storm water on surface water from impervious surfaces
- Source control BMPs in areas of pet waste, home vehicle maintenance, landscaping and rain water reuse.
- Impacts of illicit discharges and how to report them.

The storm water page is available on the city website and gets updated as needed.

Responsible Department: Administration

BUSINESSES

The City has developed a storm water page on its website and place in City facilities brochures containing information on the following business-related topics:

- Information on BMPs for use and storage of automotive chemicals, hazardous cleaning supplies, carwash soaps and other hazardous materials.
- Impacts of illicit discharges and how to report them.

The storm water page is available on the city website and gets updated as needed.

Responsible Department: Administration

HOMEOWNERS, LANDSCAPERS, AND PROPERTY MANAGERS

The City has developed a storm water page on its website and place in City facilities brochures informing homeowners, landscapers, and property managers on the following topics:

BMPs and storage of pesticides, herbicides, and fertilizers.

Detention/retention pond maintenance

General impacts of storm water from impervious surfaces into surface water.

The storm water page is available on the city website and gets updated as needed.

Responsible Department: Administration

ENGINEERS, CONTRACTORS, AND DEVELOPERS

The City has developed a storm water page on its website and place in City facilities brochures to inform engineers, contractors and developers on the following topics:

Impacts of increased storm water flows into receiving water bodies.

Run-off reduction techniques and low impact development (LID)/Green infrastructure practices. Specifically addressing site design, pervious pavement, alternative parking lot

design, retention of forests and mature trees.

The storm water page is available on the city website and gets updated as needed.

Responsible Department: Administration

EVALUATING THE EFFECTIVENESS OF THE PUBLIC EDUCATION PROGRAM

The City will evaluate the effectiveness of the public education program by monitoring and reporting the number of visitors to the storm water page and the number of brochures that are picked up from the

City facilities on an annual basis.

Responsible Department: Administration

PUBLIC AWARENESS ACTIVITIES

Currently the City is planning to host or participate in a cleanup annually. The tonnage collected by the City will be included in the annual report.

Responsible Department: Administration

18

ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

MS4 MAP

Maps of the major outfalls, structural controls owned/maintained by the City, and waters of the State within the MS4 boundary that receive discharge from the major outfalls can be found in **Appendix C**. Also, a list of the major outfalls' latitude and longitude coordinates can be found in **Appendix C**.

JCDH will update the MS4 map and provide a list of location coordinates annually on behalf of the City.

Responsible Party: JCDH

ORDINANCE/REGULATORY MECHANISM

Ordinance No. 1108, Illicit Discharge: This ordinance was passed on July 16, 2018 to address erosion and sedimentation from construction sites by establishing regulations, prohibitions, and penalties per NPDES ALS0000001. The ordinance does address unauthorized discharges as public nuisances.

In the future, the City will continue to review and update this ordinance, as needed, to conform to the requirements of NPDES permit ALS000020.

Responsible Department: Administration

DRY WEATHER SCREENING PROGRAM

Dry weather screening of 20% of the stream miles will be performed annually with 100 percent of the major outfalls screened at least once per five year period. This work will be completed by the JCDH. Currently there are no priority outfalls identified within the MS4 boundary, but if illicit discharges are identified during the dry weather inspections, those outfalls will be screened on an annual basis. JCDH shall use the EPA's guidance manual, *Illicit Discharge Detection and Elimination, A Guidance Manual for Program Development and Technical Assessments*, Center for Watershed Protection, October, 2004, for the main source of investigative techniques and guidance for the dry weather screening process.

Outfalls will be field inspected after a minimum of 72 hours of dry weather. Data sheets found in Appendix C will be filled out for each outfall inspected. Protocols for dry weather are also found in the Standard Operating Procedure Manual. In addition to the required dry weather screening

program, Public Works staff will be educated annually to recognize and report potential illicit discharges while conducting their day to day operations. Also, all citizen complaints regarding potential illicit discharges will be investigated.

Responsible Party: JCDH

SOURCE IDENTIFICATION

If during the dry weather screenings, Public Works' identification, or citizen complaint, an outfall is found to be discharging a liquid, the city inspector or JCDH personnel will traverse upstream of the discharge in an attempt to identify the source of the discharge. If the discharge source is unidentifiable, then a sample of the discharge shall be collected by JCDH and analyzed by a qualified lab. Based on the lab results, the outfall will be prioritized and scheduled for further investigation if needed.

Responsible Parties: City Personnel and/or JCDH

ILLICIT DISCHARGE ELIMINATION

Once the source and responsible party of an illicit discharge has been identified, either the City will take action through Ordinance No. 1108 ir JCDH will through its regulations.

In the future, the City will continue to review and update this ordinance, as needed, to conform to the requirements of NPDES permit ALS000020.

Responsible Parties: Inspections and/or JCDH

ADEM NOTIFICATION BY THE CITY

If a suspected illicit discharge enters the City's MS4 boundary from an adjacent MS4, the City will notify the adjacent MS4 and the ADEM Water Division within 48 hours of observing the suspected illicit discharge. The Standard Operating Procedure for this action is found in Appendix C.

Responsible Department: Inspections

20

ILLICIT DISCHARGE REPORTING BY THE PUBLIC

The City receives calls for illicit discharges at the City Hall phone number 205-849-2800 ext 1031 for the Mayor or ext 1035 for the Building Inspection Department.

Responsible Department: Administration

PERSONNEL TRAINING

Non-First Responder City Personnel will be trained by JCDH on IDDE identification and response annually.

Responsible Party: JCDH

ORDINANCE/REGULATORY MECHANISM AVAILABILITY

All ordinances and regulatory mechanisms can be found on the City's website, www.cityoftarrant.com

Responsible Department: Administration

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

EROSION AD SEDIMENTATION CONTROL COMPLAINTS

The City frequently receives calls about construction and sedimentation runoff at the city hall phone number (205-849-2800). These calls are directed to the City Building Inspections Officer (205-849-2800

ext 1035). The website will continue to list the City Building Inspections Officer as the contact for

construction complaints.

Responsible Department: Inspections

SITE PLAN REVIEWS

According to Ordinance No. 1107, Erosion And Sedimentation Control, a BMP plan must be submitted to the City along with the permit application before the commencement of any land disturbance. The City must either approve or disapprove the BMP plan within 14 days. Reasons for disapproval must be submitted to the applicant in writing. All revisions have an additional 14-day response time. Land

disturbing activity may not be commenced prior to the issuance of the permit by the City.

Responsible Department: Inspections

SITE INSPECTION PLANS

The City will perform a monthly inspection, at a minimum, on sites that have been issues land disturbance permits. Erosion controls and best management practices will be inspected during these inspections. Deficiencies identified during an inspection will be subjected to enforcement procedures

outlines in the Erosion Control Ordinance.

Responsible Department: Inspections

TRAINING OF MS4 SITE INSPECTION STAFF

City staff responsible for construction site inspections receive QCI training annually.

Responsible Department: Inspections

22

CONSTRUCTION SITE INSPECTION CHECKLIST

See **Appendix D** for the City's construction site inspection checklist.

Responsible Department: Inspections

ENFORCEMENT RESPONSE PLAN (ERP)

An Enforcement Response Plan is included in Ordinance No. 1107.

In the future, the City will continue to review and update this ordinance, as needed, to conform to the requirements of NPDES permit ALS000020.

Responsible Department: Administration

CONSTRUCTION SITE OPERATOR TRAINING

The City [rovides construction site operator's informational materials regarding appropriate application and maintenance of erosion and sediment controls when they receive their permits from the Inspections office. The City will develop a storm water page on its website and have brochures at City facilities that inform the engineers, contractors and developers on:

• Impacts of increased storm water flows into receiving water bodies.

 Run-off reduction techniques and low impact development (LID)/Green Infrastructure practices. Specifically addressing site design, pervious pavement, alternative parking lot design, retention of forests and mature trees.

The storm water page will be updated as needed.

Responsible Department: Administration and Inspections

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND RE-DEVELOPMENT

ORDINANCE/REGULATORY MECHANISM

The City's Subdivision & Development Regulations address storm water design requirements for post-construction storm water management. The City enacted Ordinance No. 1109, Post Construction, for exactly that purpose.

Ordinance No. 1109 addresses the following:

- Procedures to develop, implement and enforce systems of appropriate structural and/or nonstructural BMPs.
- Procedures to develop, implement and enforce performance standards.
- Procedures for encouragement of the utilization of LID/green infrastructure practices.
- Procedures to ensure compliance including sanctions and enforcement mechanisms.
- Procedures for post-construction inspections to include tracking and enforcement.
- Procedures to ensure adequate long-term operation and maintenance of BMPs.

Responsible Department: Administration

INVENTORY OF POST CONSTRUCTION STRUCTURAL CONTROLS

The City currently has no publically-owned structural controls. The City will develop a list of privately-owned structural controls for those built after the codification of the new requirements. The City will update annually the list of publicly-owned post construction structural controls and the privately-owned structural controls under the new requirements.

Responsible Department: Inspections

SPILL PREVENTION AND RESPONSE

CITY RESPONSE PROTOCOL

The Tarrant Fire and Rescue is responsible for investigating, responding, and conducting response actions for any spill within the City's boundaries. Jefferson County's Emergency Management Agency (EMA) will additionally respond at the request of the City. Tarrant's Fire and Rescue and EMA track the spills, the response, and the cleanup activities for all spills.

SPILL PREVENTION/SPILL RESPONSE PLAN

The City's SOP for spill response is found in Appendix E.

Responsible Department: Fire and Rescue

PERSONNEL SPILL PREVENTION/RESPONSE TRAINING

Tarrant Fire and Rescue is responsible for the training and certification of their personnel. An annual training will be provided to municipal personnel on spill prevention/response.

Responsible Party: JCDH

POLLUTION PREVENTIONS/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

MUNICIPAL FACILITIES INVENTORY

See Figure 2: Municipal Properties for a map of municipal properties as well as the locations for vehicle

and equipment maintenance facilities. The map shows which department maintains which properties.

Generally, Parks and Recreation use pesticides, herbicides and fertilizers while Public Works only mows.

The map will be reviewed annually and updated if needed. JCDH will compile the data provided by each

Department.

Responsible Department: All Departments

GOOD HOUSEKEEPING PRACTICES SOP

The SOP detailing good housekeeping practices is found in the 2011 SWMA SOP Manual.

Responsible Department: All Departments

INSPECTION PLAN

Annual inspections will be conducted for municipal facilities, to include municipal maintenance shops and equipment yards, for good housekeeping practices, including BMPs. See Appendix F for the

inspection checklist.

Responsible Department: All Departments

GOOD HOUSEKEEPING TRAINING PROGRAMS

City staff will be educated annually on good housekeeping practices. The 2011 SWMA SOP Manual

contains procedures related to Good Housekeeping.

Responsible Party: JCDH

SHORT TERM AND LONG TERM TRASH REMOVAL STRATEGY

The City has a SOP for special events that promotes the reduction of trash and debris into the City's MS4

as well as the Waters of the State (Appendix F)

Responsible Party: JCDH

26

APPLICATION OF PESTICIDES, HERBICIDES, AND FERTILIZERS (PHFS)

APPLICATION AND STORAGE

The Park and Recreation Department keeps annual records of pesticides, herbicides, and fertilizers (PHFs) used at municipal facilities. Each chemical used is applied per the labeling instructions. As to our SOP we only spray when we have a 3 day window of no rain. Material safety data sheets (MSDS) on each product are found in the chemical storage areas. City staff responsible for application of PHFs receive annual training in safe use, storage, and disposal of PHFs. All contractors contracted to apply pesticides or herbicides to City property shall provide proper certification and licensing before performing work. Also, contractors contracted to apply fertilizer must provide qualification in utilizing proper nutrient management practices. We are also in the process of developing a program to detect proper usage (**Figure 2: PHF's Usage Sites**).

City facilities that store PHFs will be inspected annually to determine proper storage, product labeling, and MSDS accessibility (**Figure 3: Municipal Properties**). The SOP manual contains procedures related to usage and storage of PHFs.

Responsible Department: Parks and Recreation

PHF TRAINING PROGRAM

City staff will be educated annually on proper PHF practices.

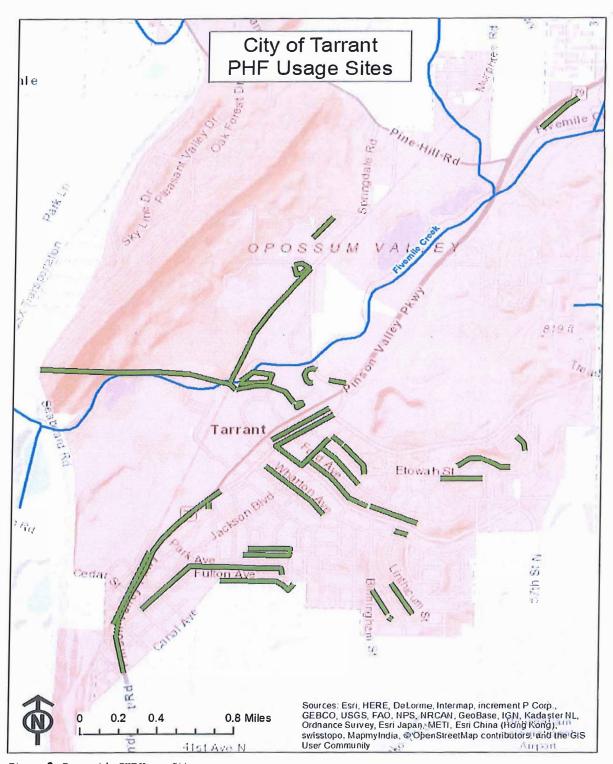


Figure 2: Tarrant's PHF Usage Sites

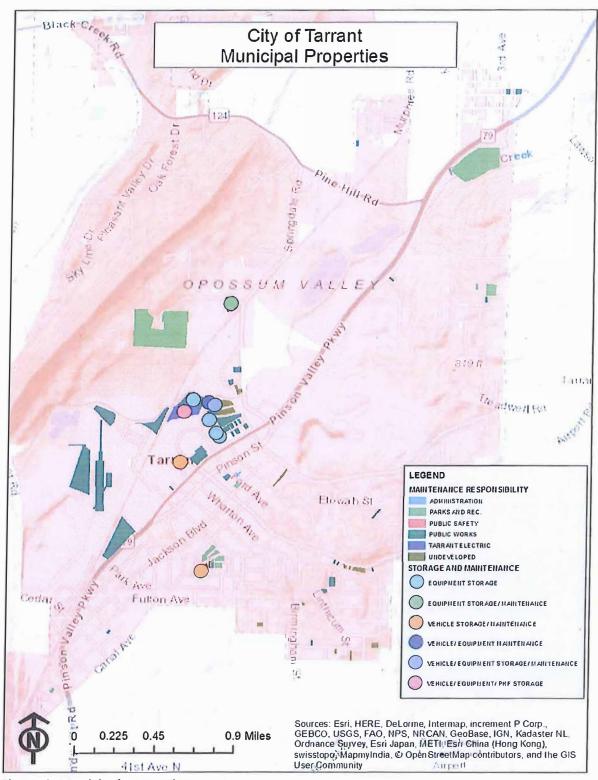


Figure 3: Municipal Properties

OILS, TOXICS, AND HOUSEHOLD HAZARDOUS WASTE

PUBLIC EDUCATION ON PROPER DISPOSAL

The City has contact information on the City's website on where to report spills, illicit discharges and

improper disposals.

The website Earth911 http://earth911.com/ can be used to find a location near you for recycling of oils,

toxics and household hazardous waste. Brochures on oils, toxics, and household hazardous waste are on

the City storm water website as well as placed in City facilities for public pick-up.

Responsible Department: Administration

ANNUAL EMPLOYEE TRAINING

Annual training on spill prevention is provided to City personnel by JCDH

Responsible Party: JCDH

INDUSTRIAL STORM WATER RUNOFF

INVENTORY OF HIGH RISK FACILITIES

The City maintains a list of industrial and high risk facilities within the city limits, see Appendix G. The list

is updated annually.

The list of industrial facilities will be reviewed annually for completeness and accuracy and will be updated

when necessary. A map of the industrial and high risk facilities can be found in Figure 3: Industrial and

High Risk Facilities.

Responsible Party: JCDH and Administration

INSPECTION OF HIGH RISK FACILITIES

JCDH will inspect these sites annually on behalf of the City. See Appendix G for the Industrial Inspection

form.

Responsible Party: JCDH

30

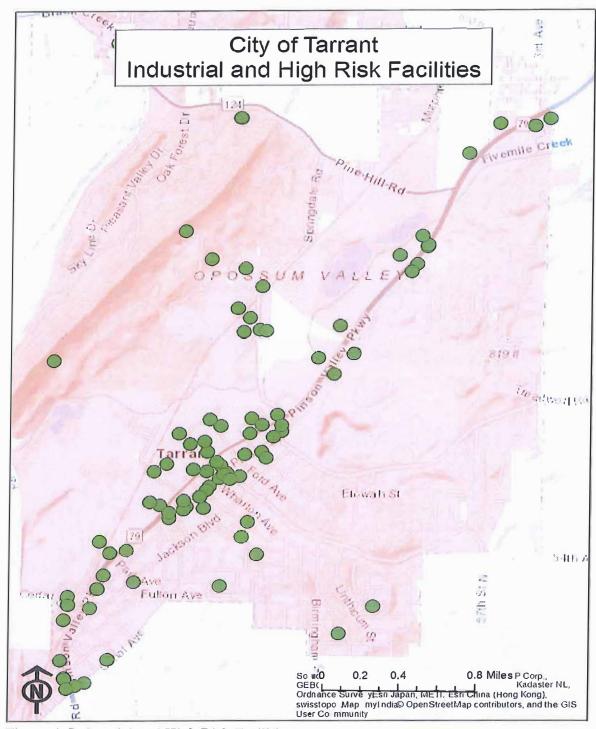


Figure 4: Industrial and High Risk Facilities

WET-WEATHER MONITORING AND REPORTING

MONITORING LOCATIONS

JCDH will take wet-weather grab samples at sites annually on behalf of the City. See **Figure 4: Tarrant Sampling Sites** for a map of the sampling sites

The site locations are as follows:

Water Body	Latitude, Longitude	Description
Five Mile Creek	33.588181,-86.790431	Grab Sample

Responsible Party: JCDH

IMPAIRED WATERWAYS

The City will review the water bodies listed in the latest final §303(d) list, annually. If a water body becomes listed that falls within the MS4 boundary, the SWMPP will be updated as needed.

Responsible Party: JCDH

MONITORING PARAMETERS AND FREQUENCY

Grab samples will be analyzed for the following parameters:

- α . E.Coli
- β . Total Nitrogen (TN) (mg/l)
- χ. Total Phosphorus (mg/l)
- δ. Total Suspended Solids (TSS) (mg/l)
- ε. Temperature
- φ. pH/ORP
- γ . Turbidity (NTU)
- η. Conductivity
- 1. Dissolved Oxygen (mg/l)
- φ. Ammonia Nitrogen (NH3-N) (mg/l)
- κ. Biochemical Oxygen Demand (BOD) (mg/l)
- λ. Chemical Oxygen Demand (COD) (mg/l)
 - μ. Hardness as CaCO3 (mg/l)
 - v. Nitrate plus Nitrite Nitrogen (NO3+NO2-N) (mg/l)
 - o. Oil and Grease (mg/l)
 - π . Total Dissolved Solids (TDS) (mg/l)
 - θ. Total Kjeldahl Nitrogen (TKN) (mg/l)

Responsible Party: JCDH

SAMPLE TYPE, COLLECTION AND ANALYSIS

JCDH will collect grab samples and submit them to a certified laboratory for analysis.

Responsible Party: JCDH

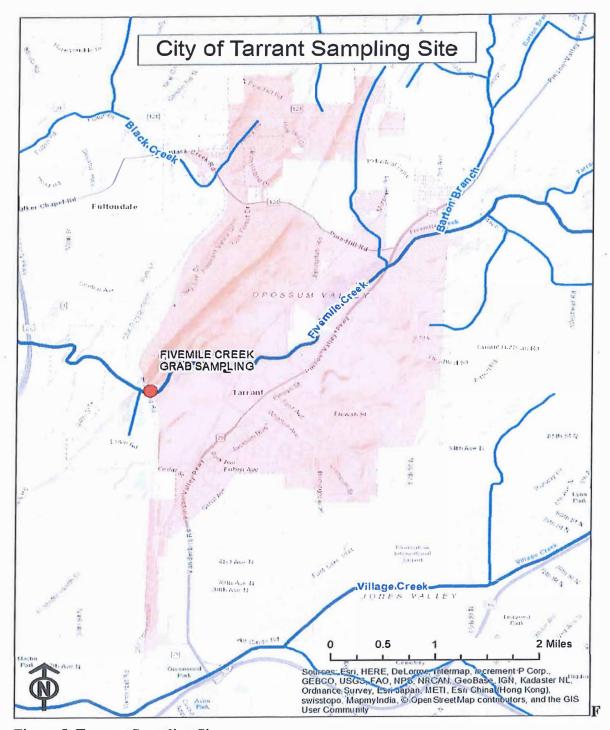


Figure 5: Tarrant Sampling Sites

OTHER REQUIREMENTS

SWMPP PLAN REVIEW AND MODIFICATION

This plan will be reviewed annually and updated as necessary.

Responsible Department: All Departments

ANNUAL REPORT

The Annual report will be compiled by JCDH for the city of Tarrant.

Responsible Party: JCDH