



STORM WATER MANAGEMENT PROGRAM PLAN
August 2024

Prepared For
City of Fairfield
4701 Gary Avenue
Fairfield, Alabama 35064

Prepared by
Jefferson County Department of Health
1400 Sixth Avenue South
Birmingham, Alabama 35233
(205) 930-1230

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.



Eddie Penny
Mayor, City of Fairfield

Aug. 21, 2024
Date

Address:
4701 Gary Avenue
Fairfield, Alabama 35064

Phone: (205) 788-2492

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INTRODUCTION

REGULATORY OVERVIEW

The City of Fairfield (City) was issued by the Alabama Department of Environmental Management (ADEM) a Municipal Separate Storm Sewer System (MS4) Individual Phase I Permit (ALS000025) on August 14, 2017. Previously, the City was included as a Co-Permittee under permit number ALS000001. The current permit was issued and became effective on October 24, 2022 (**Appendix A**).

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 ALS000025, 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

Fairfield's MS4 boundary is bound to the north and east by the City of Birmingham, to the south by the City of Midfield, and to the west by Unincorporated Jefferson County.

Approximately 3.5 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 Fairfield's' MS4. These ordinances are found in **Appendix A**.

- **Ordinance #739, Litter Ordinance:** Makes it unlawful to litter in the city. Institutes a law against leaving yard trash and debris in the gutter line.
- **Ordinance #837, Litter Ordinance:** Requires leaves and grass clippings to be picked up by the City to be placed in sacks or bags.
- **Ordinance #876, Tree Ordinance:** Tree Commission 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 #878, Abandonment of Vehicles:** Establishes a law against leaving abandoned and non-usable motor vehicles in the street or within public view.
- **Ordinance #886, Flood Ordinance:** Promotes public health, safety and general welfare by controlling construction and construction practices in and around the floodplain as well as controlling the alteration of natural floodplains, stream channels, and natural protective barriers that are involved in the accommodation of floodwaters.
- **Ordinance #994, Sanitation and Upkeep of Premises:** Prohibits open storage of inoperable motor vehicles, icebox, refrigerator, stove, glass, building material, building rubbish or similar items on residential or business premises.
- **Ordinance #2019-1129, Illicit Discharge Ordinance:** Prohibits non- storm water discharges to the MS4.

- **Ordinance #2019-1130, 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 #2019-1131, Post-Construction Ordinance:** Establishes procedures to address the discharge of pollutants in post-construction storm water runoff to the MS4 from new development and re-development.

In 2011, the City of Fairfield 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**.

Table 1: SWMPP Responsibilities Summary reflects which department is responsible for implementing or coordinating BMPs for each separate program element.

Table 1: SWMPP Responsibilities Summary

DEPARTMENT	RESPONSIBILITIES
Storm Water Collection Systems Operations	
Inspections/JCDH	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
Administration	Identify targeted pollutant sources
Administration/Public Works	Post litter signage
Administration	Educate individuals and households on reducing storm water pollution
Administration	Encourage community involvement in the storm water program
Administration	Evaluate the effectiveness of the public education program
Administration	Organize annual cleanup
Illicit Discharge Detection and Elimination (IDDE)	
JCDH	Develop MS4 map of outfalls
Administration	Develop applicable ordinances and other regulatory mechanisms
JCDH	Screen at least 15% of the outfalls during dry weather conditions
City Personnel/JCDH	Identify illicit discharge source
Inspections or JCDH	Eliminate illicit discharges
Public Works/Inspections	Notify ADEM of a suspected illicit discharge entering the MS4 from an adjacent MS4
Administration	Receive complaints and investigate illicit discharges reported by the public
Administration	Educate employees on detecting an IDDE, tracing the source of and eliminating illicit discharge
Administration	Make publicly available ordinances and regulatory mechanisms
Construction Site Storm Water Runoff Control	
Administration	Develop applicable ordinances and other regulatory mechanisms
Engineering	Perform site plan reviews
Inspections	Complete inspections on qualifying sites every other month
Inspections	Train inspection staff
Inspections	Provide construction site inspection checklist
Administration	Document Enforcement Response Plan (ERP) actions
Administration/ Inspections	Provide construction site operator education

DEPARTMENT	RESPONSIBILITIES
Post-Construction Storm Water Management in New Development and Re-Development	
Administration	Develop applicable ordinances and other regulatory mechanisms
Administration/Inspections	Encourage the application of LID/GI practices
Inspections	Inventory post-construction structural controls
Spill Prevention and Response	
Fire and Rescue	Follow City response protocol
Fire and Rescue	Follow spill prevention/spill response plan
Fire and Rescue/Administration	Educate employees on spill prevention/spill response
Pollution Prevention/Good Housekeeping for Municipal Operations	
All Departments	Inventory municipal facilities
All Departments	Evaluate strategy for trash removal
All Departments	Follow good housekeeping practices SOP
All Departments	Complete municipal inspections
Administration	Educate employees on good housekeeping
Application of Pesticides, Herbicides, and Fertilizers (PHFs)	
Public Works or Private Applicator	Document application and storage of PHFs
Administration	Educate employees on PHFs usage and storage
Oils, Toxics, and Household Hazardous Waste Control	
Administration	Educate public on proper disposal
Administration	Educate employees on oils, toxics, and household hazardous waste
Industrial Storm Water Runoff	
Administration/JCDH	Inventory high-risk facilities
JCDH	Inspect high-risk facilities
Monitoring and Reporting	
JCDH	Monitor locations
JCDH	Review identified impaired waterways
JCDH	Monitor parameters and frequency
JCDH	Perform sampling and analysis
Other Requirements	
All Departments	Perform SWMPP plan review and modification
JCDH	Prepare annual report for submittal

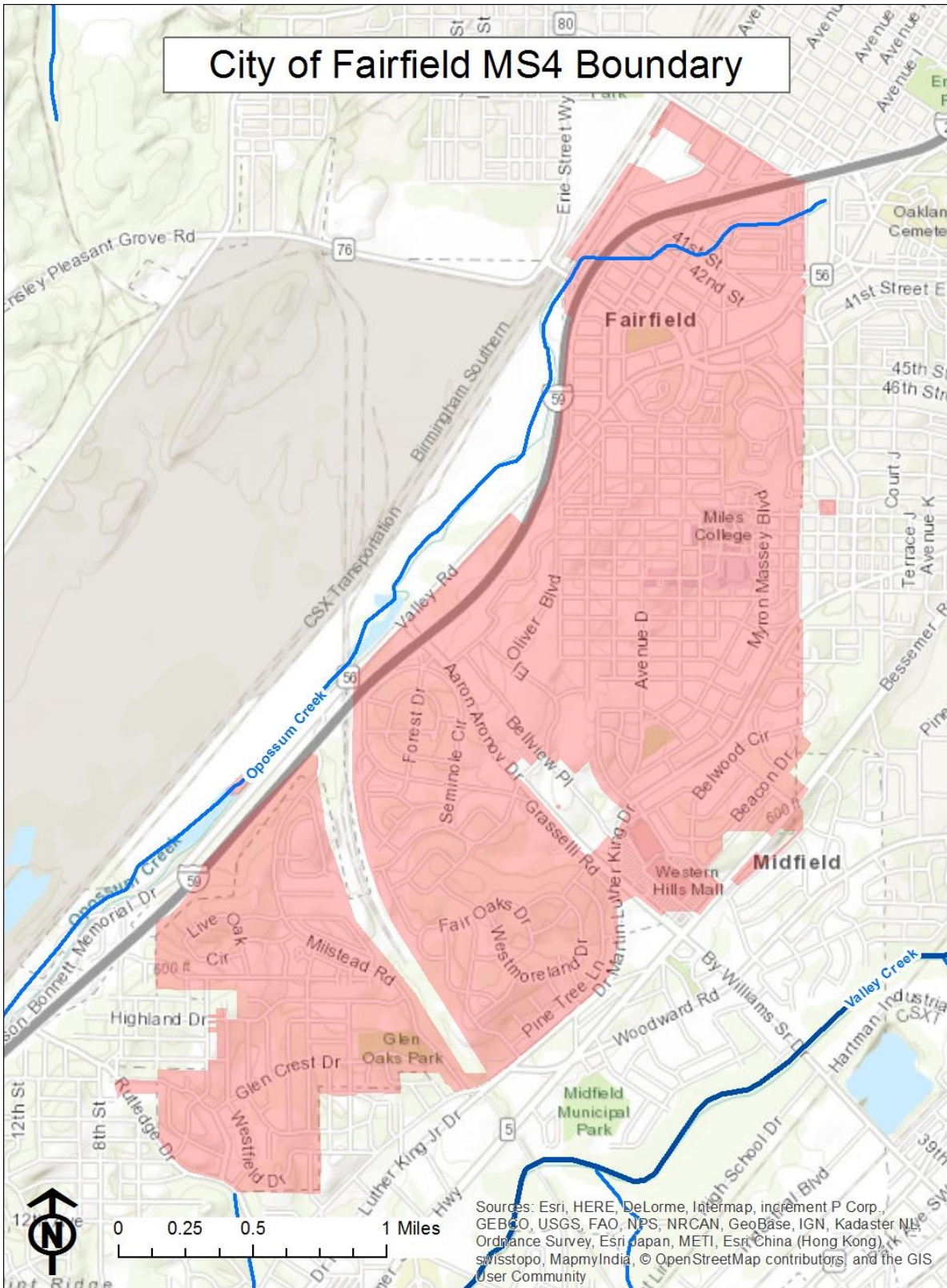


Figure 1: MS4 Boundary

STORM WATER COLLECTION SYSTEMS OPERATIONS

STRUCTURAL CONTROLS MAP

Currently there are no city-owned structural controls within the MS4 boundary limits. The City will monitor the addition of any city-owned/maintained structural controls and include them in the annual report.

Responsible Departments: Inspections/JCDH

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. Maintenance activities will also be documented using the provided maintenance form found in **Appendix B**. The completed forms should be uploaded to the Storm Water Online Activity Record (SOAR) program. Should the City gain ownership of a structural control, a city inspector and/or a contractor will perform inspections. Any deficiencies or maintenance recommendations listed on the inspection form in regards to the structural control will be addressed and documented by Public Works.

Responsible Department: Inspections

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

The standard operating procedure for structural control inspection and maintenance is found in **Appendix B**.

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. Activities are to be documented and submitted as described.

Responsible Department: Public Works

FLOATABLES, LITTER, SEDIMENT, AND DEBRIS REMOVAL

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 inspected documentation and will address the noted items. Public Works will also complete documentation of the estimated amounts of floatables, litter, sediment and debris removed during maintenance activities and upload to SOAR.

Responsible Department: Public Works

PUBLIC EDUCATION AND PUBLIC INVOLVEMENT ON STORM WATER IMPACTS

PUBLIC EDUCATION AND PUBLIC INVOLVEMENT BMPS

PUBLIC EDUCATION

The City will provide public education information via distribution of storm water brochures.

PUBLIC INVOLVEMENT

The City activities for public involvement include a litter clean-up and a household hazardous waste collection event.

DEVELOPMENT AND IMPLEMENTATION OF THE SWMPP

The City seeks public input on the SWMPP annually. Notification of the public comment period will be made at council meetings. A copy of SWMPP is available upon request at City Hall. If revisions are approved, the updated SWMPP will be submitted to ADEM and filed at City Hall.

Responsible Department: Administration

TARGETED POLLUTANT SOURCES 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

Litter signage is maintained throughout the City. Signage will be updated as necessary to properly address these issues. Administration approves of the messages and Public Works installs the signs and/or labels.

Responsible Departments: Administration/Public Works

EDUCATING INDIVIDUALS AND HOUSEHOLDS ON REDUCING STORM WATER POLLUTION

The City has brochures and other educational materials available at City Hall. The information includes general information about the storm water permit with brochures about different ways to reduce storm water pollution in relation to the different community segments. The educational materials will be modified and/or updated as needed.

Responsible Department: Administration

COMMUNITY INVOLVEMENT WITH THE STORM WATER PROGRAM

GENERAL PUBLIC

The City has placed educational brochures in its facilities that provide the following information:

- General impacts litter has on waterbodies 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 rainwater reuse.
- Impacts of illicit discharges and how to report them.

These materials will be updated as needed.

Responsible Department: Administration

GENERAL PUBLIC AND BUSINESSES, INCLUDING HOME-BASED AND MOBILE

The City has placed brochures in its facilities 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.

These materials will be updated as needed.

Responsible Department: Administration

HOMEOWNERS, LANDSCAPERS, PROPERTY MANAGERS, AND CITY PERSONNEL

The City has placed brochures containing educational information in its facilities that inform homeowners, landscapers, and property managers on the following topics:

- Landscape or yard care techniques that protect water quality.
- BMPs and storage of pesticides, herbicides, and fertilizers.
- BMPs for carpet cleaning and auto repair and maintenance.
- Detention/retention pond maintenance.
- General impacts of storm water from impervious surfaces into surface water.

These materials will be updated as needed.

Responsible Department: Administration

ENGINEERS, CITY PERSONNEL, REVIEW STAFF, LAND USE PLANNERS, CONTRACTORS, AND DEVELOPERS

The City has placed in its facilities brochures to inform engineers, contractors and developers on the following topics:

- Impacts of increased storm water flows into receiving waterbodies.
- Technical standards for construction site sediment and erosion control.
- Storm water treatment and flow control BMPs.
- Run-off reduction techniques and low impact development (LID)/green infrastructure practices and maintenance. Specifically addressing site design, pervious pavement, alternative parking lot design, retention of forests and mature trees.

These materials will be updated as needed.

Responsible Department: Administration

EVALUATING THE EFFECTIVENESS OF THE PUBLIC EDUCATION PROGRAM

The City will on a continuing basis evaluate the effectiveness of the public education program by monitoring and reporting the number of brochures that are picked up from its facilities annually.

Responsible Department: Administration

PUBLIC ACTIVITIES TARGETING LITTER, FLOATABLES, AND DEBRIS REMOVAL FROM AREA WATERWAYS

The City is planning to host or participate in a cleanup annually. The tonnage collected will be included in the Annual Report.

Responsible Department: Administration

ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

MS4 MAP

Maps of the major outfalls and waters of the State within the MS4 boundary that receive discharge from the major outfalls can be found in **Appendix C**. A list of the major outfalls' latitude and longitude coordinates can also be found in **Appendix C**.

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

Responsible Department: JCDH

ORDINANCE/REGULATORY MECHANISM

Ordinance 2019-1129 addresses illicit discharges as required by the City's Permit.

Responsible Department: Administration

DRY WEATHER SCREENING PROGRAM

Dry weather screening of at least 15% of the major outfalls will be performed annually with 100% of the major outfalls screened at least once per the five-year permit period. This work will be completed by 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. The protocols for dry weather screening are in the Standard Operating Procedure Manual found in **Appendix A**.

Responsible Department: 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 Departments: City Personnel/JCDH

ILLICIT DISCHARGE ELIMINATION

Once the source and responsible party of an illicit discharge have been identified, either the City will take action through **Ordinance #2019-1129** or JCDH will through its regulations.

Responsible Departments: Inspections 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: Public Works/Inspections

ILLICIT DISCHARGE REPORTING BY THE PUBLIC

Calls for illicit discharges are frequently received at the Fairfield Police Station number, 205-786-4111.

Responsible Department: Administration

PERSONNEL TRAINING

City administrators, engineers, inspectors and laborers will be trained on IDDE identification and response annually.

Responsible Department: Administration

ORDINANCE/REGULATORY MECHANISM AVAILABILITY

The illicit discharge ordinance can be found at City Hall.

Responsible Department: Administration

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

ORDINANCE/REGULATORY MECHANISM

Ordinance #2019-1130 addresses Construction Site Regulations as required by the City's Permit. The ordinance is found at City Hall upon request.

Responsible Department: Administration

SITE PLAN REVIEWS

According to **Ordinance #2019-1130**, a BMP plan must be submitted to the City along with the permit application before 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: Engineering

CONSTRUCTION SITE INSPECTION SCHEDULE

The City will perform an inspection every other month, at a minimum, on qualifying sites that have been issued 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 outlined in the Erosion Control Ordinance.

Responsible Department: Inspections

TRAINING OF MS4 SITE INSPECTION STAFF

Personnel responsible for construction site inspections receive BMP training annually.

Responsible Department: Inspections

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 #2019-1130**. Documentation of formal enforcement actions and ADEM referrals is available via the SOAR program.

Responsible Department: Administration

CONSTRUCTION SITE OPERATOR TRAINING

The City provides construction site operator's informational materials regarding appropriate application and maintenance of erosion and sediment controls when they receive their permits from the Inspections Department. The City has brochures at its facilities that inform the engineers, contractors and developers on:

- Impacts of increased storm water flows into receiving waterbodies.
- 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.

These materials will be updated as needed.

Responsible Departments: Administration/Inspections

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

ORDINANCE/REGULATORY MECHANISM

Ordinance #2019-1131 addresses storm water design requirements for post-construction storm water management.

The Ordinance addresses the following:

- Procedures to develop, implement and enforce systems of appropriate structural and/or non-structural 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.

The post-construction ordinance is found at City Hall.

Responsible Department: Administration

LID/GI ENCOURAGEMENT PROCEDURES

Information detailing the importance of LID/GI is provided along with the City's land disturbance permit application. This also includes a statement acknowledging receipt of the information by the applicant.

Responsible Department: Administration/Inspections

INVENTORY OF POST-CONSTRUCTION STRUCTURAL CONTROLS

Currently there are no privately-owned structural controls within the City. The City will monitor the addition of any privately-owned structural controls and include them in the annual report.

Responsible Department: Inspections

SPILL PREVENTION AND RESPONSE

CITY RESPONSE PROTOCOL

Fairfield 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. Fairfield Fire and Rescue and EMA track the spills, the response, and the cleanup activities for all spills.

Responsible Department: Fire and Rescue

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

Fairfield 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 Departments: Fire and Rescue/Administration

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

MUNICIPAL FACILITIES INVENTORY

See **Table 2: Municipal Facilities** for a list of facilities. The list will be updated as needed in the annual report.

Responsible Departments: All Departments

STRATEGY EVALUATION

City personnel pick up trash prior to it entering the MS4 and remove trash from the MS4. Volunteer organizations assist with removal of trash from waterbodies and the MS4. Trash collected is assessed and documented. The City also participates in a household hazardous waste collection event. An SOP for special events is located in **Appendix F**. These activities have been successful in removing and preventing trash from entering the MS4.

Responsible Departments: All Departments

GOOD HOUSEKEEPING PRACTICES SOP

The SOP detailing good housekeeping practices is found in the 2011 SWMA SOP Manual (**Appendix A**).

Responsible Departments: All Departments

INSPECTION PLAN

Annual inspections will be conducted for municipal facilities that have the potential to discharge pollutants via storm water runoff. See **Appendix F** for the inspection checklist.

Responsible Departments: All Departments

GOOD HOUSEKEEPING TRAINING PROGRAM

City staff will be educated annually on good housekeeping practices. The SOP manual (**Appendix A**) contains procedures related to Good Housekeeping.

Responsible Department: Administration

APPLICATION OF PESTICIDES, HERBICIDES, AND FERTILIZERS (PHFS)

APPLICATION AND STORAGE

The Public Works Department's usage of PHFs is minimal. Over the counter PHFs are purchased as needed and typically used in a single application. City staff responsible for application of PHFs receive annual training in safe use, storage, and disposal of PHFs. Personnel contracted to apply pesticides or herbicides to City property shall provide proper certification and licensing before performing work. Also, contractors who apply fertilizer must provide qualification in utilizing proper nutrient management practices.

The SOP manual (**Appendix A**) contains procedures related to usage and storage of PHFs.

Responsible Department: Public Works or Private Applicator

PHF TRAINING PROGRAM

Necessary staff will be educated annually on proper PHF practices.

Responsible Department: Administration

Table 2: Municipal Facilities

Name	Address	Inspection
Police Dept. / Fire and Rescue Dept.	5231 COURT B	Yes. Vehicle/ Equipment Storage
Streets and Sanitation Department	4114 COMMERCE AVE	Yes. Vehicle Storage
Fire Station #2	100 ENGLEWOOD DR	No. No potential to discharge pollutants.
City Hall	4701 GARY AVE	No. No potential to discharge pollutants.

OILS, TOXICS, AND HOUSEHOLD HAZARDOUS WASTE

PUBLIC EDUCATION ON PROPER DISPOSAL

Contact information is available at City Hall regarding where to report spills, illicit discharges and improper disposals. The public can also call the phone number (205) 786-4111 to report any issues. Educational literature located at the City Hall identifies local sites for recycling of used oils as well as the proper disposal of toxics and household hazardous waste. Brochures on oils, toxics, and household hazardous waste are placed in City facilities for public pick-up.

Responsible Department: Administration

ANNUAL EMPLOYEE TRAINING

Annual training on spill prevention is provided to City personnel.

Responsible Department: Administration

INDUSTRIAL STORM WATER RUNOFF

INVENTORY OF HIGH-RISK FACILITIES

The City maintains a list of industrial and high-risk facilities within the city limits (**Appendix G**). The list of facilities will be reviewed annually for accuracy and included in the annual report.

Responsible Departments: Administration/JCDH

INSPECTION OF HIGH-RISK FACILITIES

JCDH will inspect any designated sites annually on behalf of the City. See **Appendix G** for the Industrial Inspection form.

Responsible Department: JCDH

MONITORING AND REPORTING

MONITORING LOCATIONS

JCDH will take grab samples annually on behalf of the City. See **Table 3: Sampling Sites** for a list of sampling sites.

Table 3: Sampling Sites

Water Body	Latitude, Longitude	Description
Tributary to Valley Creek	33.45815, -86.907794	Grab Sample

Responsible Department: JCDH

IMPAIRED WATERWAYS

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

Responsible Department: JCDH

MONITORING PARAMETERS AND FREQUENCY

Grab samples will be analyzed for the following parameters:

- a. E. coli
- b. Total Nitrogen (TN) (mg/l)
- c. Total Phosphorus (mg/l)
- d. Total Suspended Solids (TSS) (mg/l)
- e. Temperature
- f. pH/ORP
- g. Turbidity (NTU)
- h. Conductivity
- i. Dissolved Oxygen (mg/l)
- j. Ammonia Nitrogen (NH₃-N) (mg/l)
- k. Biochemical Oxygen Demand (BOD) (mg/l)
- l. Chemical Oxygen Demand (COD) (mg/l)
- m. Hardness as CaCO₃ (mg/l)
- n. Nitrate plus Nitrite Nitrogen (NO₃+NO₂-N) (mg/l)
- o. Oil and Grease (mg/l)
- p. Total Dissolved Solids (TDS) (mg/l)
- q. Total Kjeldahl Nitrogen (TKN) (mg/l)

Responsible Department: JCDH

SAMPLE TYPE, COLLECTION, AND ANALYSIS

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

Responsible Department: JCDH

OTHER REQUIREMENTS

SWMPP PLAN REVIEW AND MODIFICATION

This plan will be reviewed annually and updated as necessary.

Responsible Departments: All Departments

ANNUAL REPORT

The Annual Report will be compiled by JCDH for the City of Fairfield.

Responsible Department: JCDH