



**STORM WATER MANAGEMENT PROGRAM PLAN**  
**January 2022**

*Prepared For*  
**City of Midfield**  
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*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.

\_\_\_\_\_  
Gary Richardson  
Mayor, City of Midfield

\_\_\_\_\_  
Date

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## INTRODUCTION

### REGULATORY OVERVIEW

The City of Midfield (City) was issued by the Alabama Department of Environmental Management (ADEM) a Municipal Separate Storm Sewer System (MS4) Individual Phase I Permit (ALS000030) on July 21<sup>st</sup>, 2017 (**Appendix A**). This permit went into effect on August 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 ALS000030, 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

Midfield's MS4 boundary is bound to the north by the City of Fairfield, to the south by the cities of Birmingham and Brighton, and to the east and west by the City of Birmingham and Jefferson County. Approximately 2.649 square miles of residential, commercial, industrial, undeveloped lands, and streams make up the MS4 boundary. See **Figure 1: MS4 Boundary**.

There is one major waterbody, Valley Creek, within the MS4 boundary. The designated use of this section of the Valley Creek is Agricultural and Industrial Water Supply (A&I).

## 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 Midfield's MS4. These ordinances are found in **Appendix A**.

**Ordinance #2018-4, 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.

- **Ordinance #2018-5, 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 #2018-6, Illicit Discharge Ordinance:** Prohibits non-storm water discharges to the MS4.
- **Ordinance #38:** Makes it unlawful to deposit to deposit any debris in the gutter or storm drain that can cause damage or an obstruction.
- **Ordinance #290, Flood Damage Prevention 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 which are involved in the accommodation of floodwaters.
- **Ordinance #103, Anti-Litter Ordinance:** Makes it unlawful to litter upon a vacant lot, public property, sidewalk or street in the city. Also encourages the use of receptacles in a manner to prevent litter from being scattered by the elements.

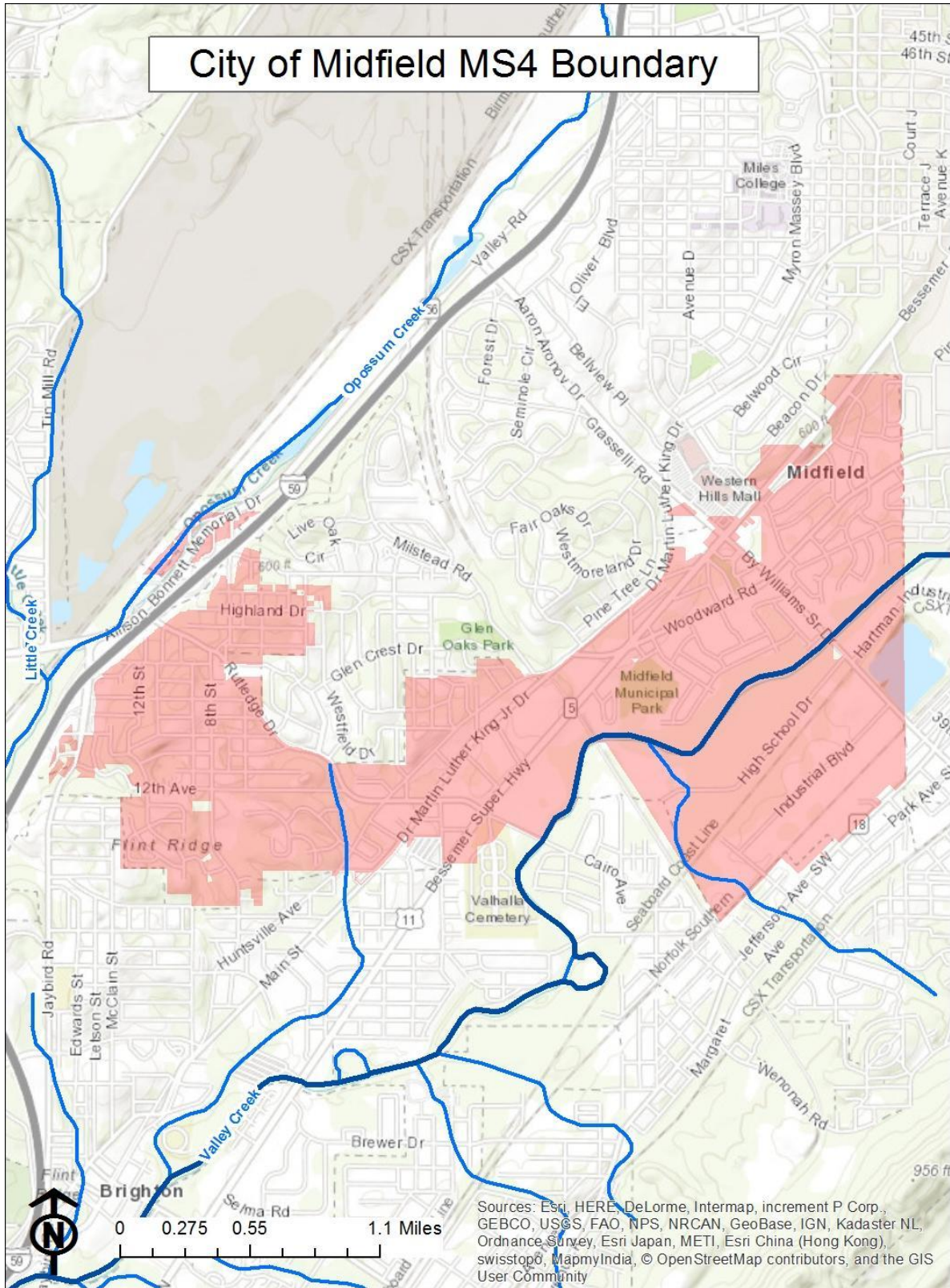
- **Ordinance #2006-6, Nuisance Ordinances:** Establishes a law against leaving abandoned and non-usable motor vehicles in the street or within public view.
- **Ordinance #2007-4, Littering Nuisance Ordinance:** Institutes a law against leaving litter, junk or household debris on public or private property.

In 2011 the City of Midfield 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
<b>Storm Water Collection Systems Operations</b>	
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
<b>Public Education and Public Involvement on Storm Water Impacts</b>	
Administration	Seek and consider public input in the development and implementation of the SWMPP
Administration	Public access to city storm water documents
Administration/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
<b>Illicit Discharge Detection and Elimination (IDDE)</b>	
JCDH	Develop MS4 map of outfalls
Administration	Develop applicable ordinances and other regulatory mechanisms
JCDH	Screen 20% of the stream miles during dry weather conditions
City Personnel/JCDH	Illicit discharge source identification
Inspections or JCDH	Elimination of illicit discharges
Public Works/Inspections	Procedures to notify ADEM of a suspected illicit discharge entering the MS4 from an adjacent MS4
Administration	Illicit discharge public reporting system
Administration	Educating employees on detecting an IDDE , tracing the source of and eliminating illicit discharge
Administration	Ordinance/Regulatory mechanism availability
<b>Construction Site Storm Water Runoff Control</b>	
Inspections	Erosion and sedimentation control complaints
Engineering	Site plan reviews
Inspections	Site inspection plan
Inspections	Inspection staff training
Inspections	Construction site inspection checklist
Administration	Enforcement Response Plan (ERP)
Administration/Inspections	Construction site operator education
<b>Post-Construction Storm Water Management in New Development and Re-Development</b>	
Administration	Develop applicable ordinances and other regulatory mechanisms

Inspections	Inventory of post construction structural controls
<b>DEPARTMENT</b>	<b>RESPONSIBILITIES</b>
<b>Spill Prevention and Response</b>	
Fire and Rescue	City response protocol
Fire and Rescue	Spill prevention/spill response plan
Fire and Rescue/Administration	Educating employees on spill prevention/spill response
<b>Pollution Prevention/Good Housekeeping for Municipal Operations</b>	
All Departments	Inventory of municipal facilities
All Departments	Good housekeeping practices SOP
All Departments	Inspection plan
Administration	Educating employees on good housekeeping
Administration	Short term and long term trash removal strategy
<b>Application of Pesticides, Herbicides, and Fertilizers(PHFs)</b>	
Parks and Recreation	Application and storage of PHFs
Administration	Educating employees on PHFs usage and storage
<b>Oils, Toxics, and Household Hazardous Waste Control</b>	
Administration	Public education on proper disposal
Administration	Educating employees on oils, toxics, and household hazardous waste
<b>Industrial Storm Water Runoff</b>	
Administration/JCDH	Inventory of high risk facilities
JCDH	Inspection of high risk facilities
<b>Wet Weather Monitoring and Reporting</b>	
JCDH	Monitoring locations
JCDH	Impaired waterways review
JCDH	Monitoring parameters and frequency
JCDH	Sampling type, collection and analysis
<b>Other Requirements</b>	
All Departments	SWMP plan review and modification
JCDH	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 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. 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 re-inspect 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 Midfield’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 website and be submitted yearly with the annual report on January 31<sup>st</sup>.

**Responsible Department: Administration**

### PUBLIC ACCESS TO CITY STORM WATER DOCUMENTS

The City has posted copies of the current Annual Report, 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 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

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

Information describing Midfield’s Storm Water Program is posted on the City’s website. The information includes 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. These same brochures on storm water issues are placed at City Hall for public pickup. These materials will be updated as needed.

**Responsible Department: Administration**

### COMMUNITY INVOLVEMENT WITH THE STORM WATER PROGRAM

GENERAL PUBLIC

The City has a storm water page on its website and placed brochures containing educational information in City facilities that inform the general public of:

- 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 rain water reuse.
- Impacts of illicit discharges and how to report them.

These materials will be updated as needed.

**Responsible Department: Administration**

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**BUSINESSES**

The City has 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.

These materials are updated as needed.

**Responsible Department: Administration**

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**HOMEOWNERS, LANDSCAPERS, AND PROPERTY MANAGERS**

The City has 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.

These materials are updated as needed.

**Responsible Department: Administration**

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**ENGINEERS, CONTRACTORS, AND DEVELOPERS**

The City has 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 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 are 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 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**

## ILLCIT 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**. 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 Department: JCDH**

### ORDINANCE/REGULATORY MECHANISM

Ordinance 2018-6 addresses illicit discharges as required by the City's Permit.

**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 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 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 has been identified, either the City will take action through its pertinent ordinances 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 Departments: Public Works/Inspections**

#### ILLICIT DISCHARGE REPORTING BY THE PUBLIC

The City receives calls for illicit discharges at the City Hall phone number 205-923-7578 frequently. There is also a phone number, 205-424-0110, listed on the City's website to report illicit discharges.

**Responsible Department: Administration**

#### PERSONNEL TRAINING

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

**Responsible Department: Administration**

#### ORDINANCE/REGULATORY MECHANISM AVAILABILITY

All ordinances and regulatory mechanisms can be found on the City's website, <http://www.cityofmidfield.com/>, or through the link to Municode on the City's website.

**Responsible Department: Administration**



## CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

### EROSION AND SEDIMENTATION CONTROL COMPLAINTS

The City frequently receives calls about construction and sedimentation runoff at the City Hall phone number (205-923-7578). These calls are directed to the Department of Building Safety and Inspections (205-228-9076). The website lists the Department of Building Safety and Inspections as the contact number for construction complaints.

**Responsible Department: Inspections**

### SITE PLAN REVIEWS

According to Ordinance # 2018-5, 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: Engineering**

### SITE INSPECTION PLAN

The City will perform an inspection every two months, 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 # 2018-5.

**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 a storm water page on its website and brochures at City 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

City Ordinance No. 2018-4 meets the requirements for post-construction storm water management.

Ordinance No. 2018-4 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.

**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 structurally controls under the new requirements.

**Responsible Department: Inspections**

## SPILL PREVENTION AND RESPONSE

### CITY RESPONSE PROTOCOL

The Midfield Fire & Rescue Department 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. Midfield's Fire & Rescue Department and EMA track the spills, the response, and the cleanup activities for all spills.

**Responsible Department: Fire & Rescue**

### SPILL PREVENTION/SPILL RESPONSE PLAN

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

**Responsible Department: Fire & Rescue**

### PERSONNEL SPILL PREVENTION/RESPONSE TRAINING

Midfield Fire & Rescue Department 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 & Rescue/Administration**

## POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

### MUNICIPAL FACILITIES INVENTORY

See **Table 1: Municipal Facilities** for a list of facilities. The list will be reviewed annually and updated as needed.

**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 stormwater 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 2011 SWMA SOP Manual (**Appendix A**) contains procedures related to Good Housekeeping.

**Responsible Department: Administration**

### 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 Waters of the State (**Appendix F**).

**Responsible Department: Administration**

## APPLICATION OF PESTICIDES, HERBICIDES, AND FERTILIZERS (PHFs)

### APPLICATION AND STORAGE

The Park and Recreation Department usage of PHFs is minimal. PHFs are purchased at a local hardware stores (usually in bottle size) and are completely used in a single application. Each chemical used is applied per the labeling instructions. 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.

The SOP manual (**Appendix A**) 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.

**Responsible Department: Administration**

**Table 1: Municipal Facilities**

<b>Name</b>	<b>Address</b>	<b>Inspection</b>
Public Works Building	600 DR MARTIN LUTHER KING DR	<b>Yes. Vehicle/ Equipment Storage/ Maintenance/Fuel</b>
Adamson West	512 BESSEMER SUPER HWY	<b>Yes. Vehicle/ Equipment Storage/ Maintenance</b>
Adamson West	506 BESSEMER SUPER HWY	<b>Yes. Vehicle/ Equipment Storage/ Maintenance</b>
Fire Dept.	704 DR MARTIN LUTHER KING DR	<b>Yes. Vehicle/ Equipment Storage/ DEF fluid storage</b>
City Hall/Police Dept.	725 BESSEMER SUPER HWY	<b>Yes. Vehicle Storage</b>
Highlands Senior Center	904 9TH AVE	No. No potential to discharge pollutants.
Storm Shelter	718 DR MARTIN LUTHER KING DR	No. No potential to discharge pollutants.
Sewer Pump Station	545 KAREN ST	No. No potential to discharge pollutants.
Midfield Park	410 GRANT ST	No. No potential to discharge pollutants.
Midfield Library	408 GRANT ST	No. No potential to discharge pollutants.
Brookwood Park	105 BROOKWOOD RD E	No. No potential to discharge pollutants.

## OILS, TOXICS, AND HOUSEHOLD HAZARDOUS WASTE

### PUBLIC EDUCATION ON PROPER DISPOSAL

The City has contact information on its webpage regarding where to report spills, illicit discharges and improper disposals. The webpage also includes a link to the website Earth911 (<http://earth911.com/>) which provides local sites for recycling of oils, toxics and household hazardous waste. Brochures on oils, toxics, and household hazardous waste are on the City storm water webpage 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.

**Responsible Department: Administration**



## INDUSTRIAL STORM WATER RUNOFF

### INVENTORY OF HIGH RISK FACILITIES

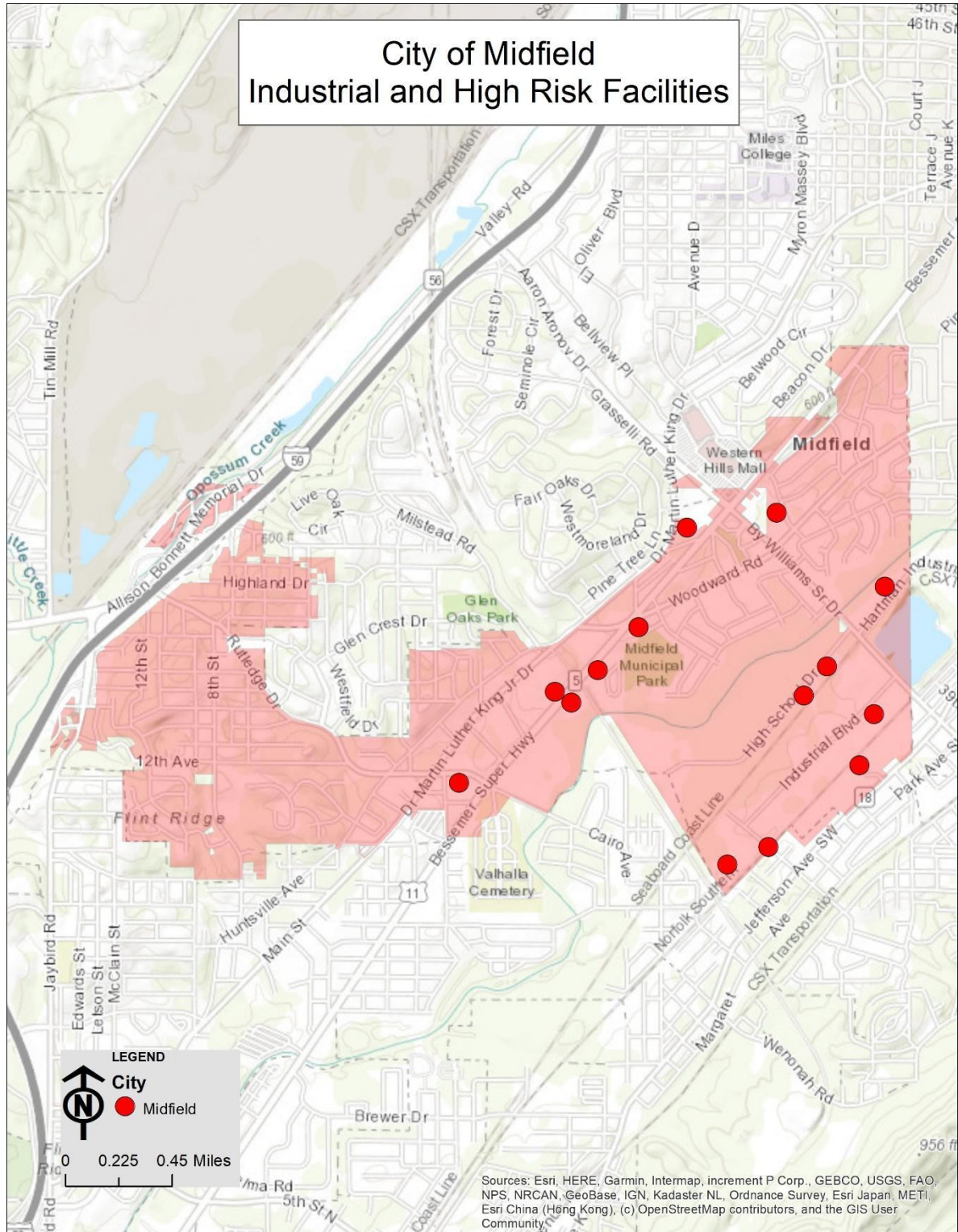
The City maintains a list of industrial and high risk facilities within the city limits (**Appendix G**). The list of industrial facilities will be reviewed annually for accuracy and will be updated when necessary. A map of the industrial and high risk facilities can be found in **Figure 2: Industrial and High Risk Facilities**.

**Responsible Departments: Administration/JCDH**

### 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 Department: JCDH**



**Figure 2: Industrial and High Risk Facilities**

## WET-WEATHER MONITORING AND REPORTING

### MONITORING LOCATIONS

JCDH will take wet-weather grab samples at sites on Valley Creek and two tributaries to Valley Creek once every year on behalf of the City. See **Figure 3: Sampling Sites** for a map of the sampling sites

The site locations are as follows:

Water Body	Latitude, Longitude	Description
Valley Creek	33.425456, -86.95317	Grab Sample and Water Quality Sonde Site
Tributary to Valley Creek (runs through Brookwood Park)	33.45815, -86.907794	Grab Sample
Tributary to Valley Creek (runs near Rutledge Drive)	33.43316, -86.946071	Grab Sample

An hourly water quality sonde is installed on Valley Creek and managed by the United States Geological Survey (USGS). The site's title is USGS 02461405 VALLEY CREEK BELOW BRIGHTON ALA.

**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 (NH<sub>3</sub>-N) (mg/l)
- k. Biochemical Oxygen Demand (BOD) (mg/l)
- l. Chemical Oxygen Demand (COD) (mg/l)
- m. Hardness as CaCO<sub>3</sub> (mg/l)
- n. Nitrate plus Nitrite Nitrogen (NO<sub>3</sub>+NO<sub>2</sub>-N) (mg/l)
- o. Oil and Grease (mg/l)
- p. Total Dissolved Solids (TDS) (mg/l)
- q. Total Kjeldahl Nitrogen (TKN) (mg/l)

The water quality sonde monitors the following parameters at least hourly:

- a. Temperature
- b. pH/ORP
- c. Turbidity (NTU)
- d. Conductivity
- e. Dissolved Oxygen
- f. Water level

**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**

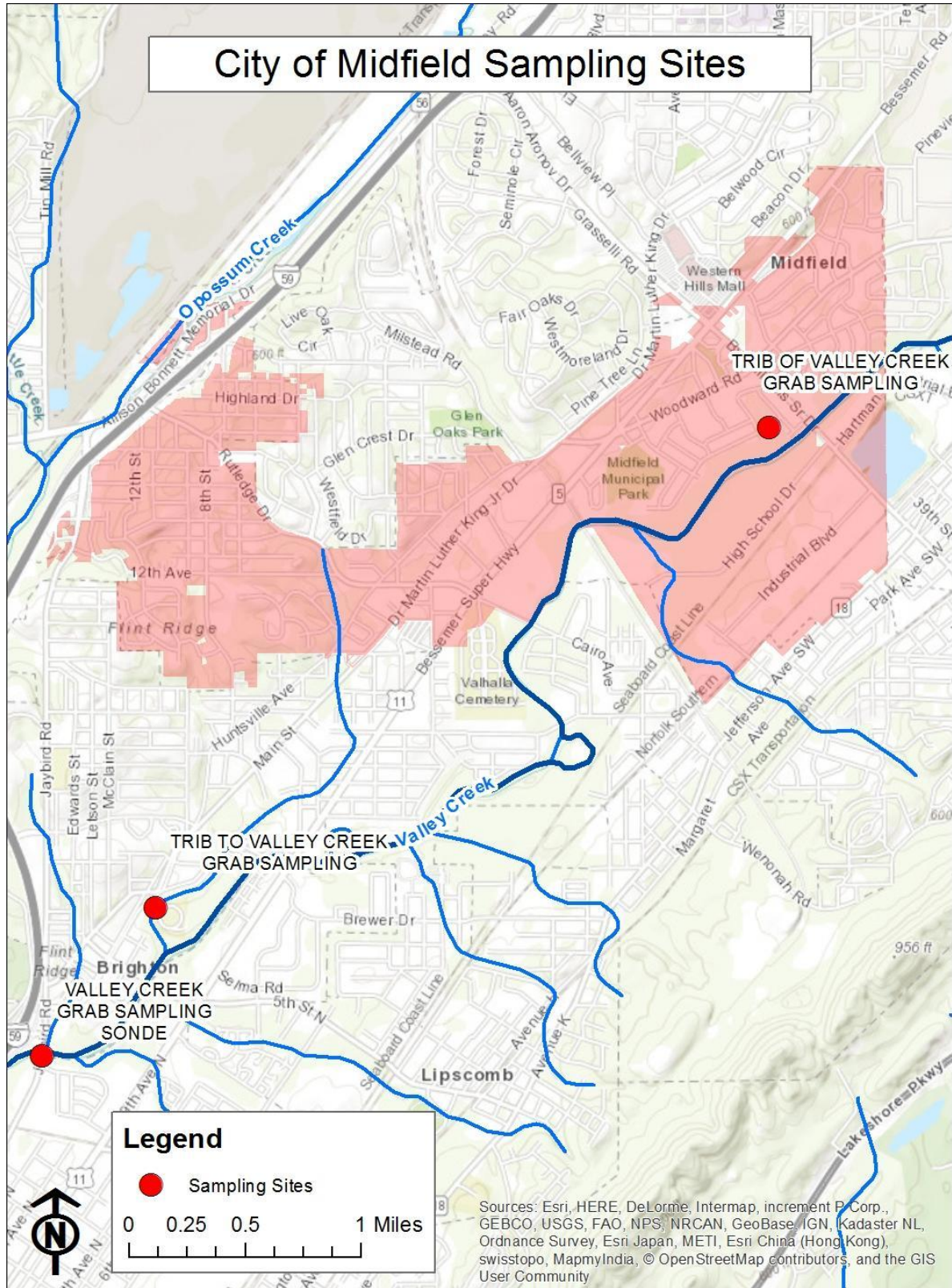


Figure 3: Midfield Sampling Sites

## 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 Midfield.

**Responsible Department: JCDH**