STORM WATER MANAGEMENT PROGRAM PLAN

January 2024

Prepared For

City of Alabaster
1953 Municipal Way
Alabaster, Alabama 35007

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.

_____ Date_____

Scott Brakefield

Mayor, City of Alabaster

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1.0 INTRODUCTION

1.1 Regulatory Overview

The City of Alabaster (City) was issued by the Alabama Department of Environmental Management (ADEM) a Municipal Separate Storm Sewer System (MS4) Individual Phase I Permit (ALS000011) on September 20, 2021 (**Appendix A**). This permit took effect on September 20, 2021 as well.

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 ALS000011, BMPs, measurable goals, and responsibility designations are provided in Sections 3-12 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 Strom 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 Pesticide, Herbicide, 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.

1.2 MS4 Jurisdictional Boundary

Alabaster's MS4 boundary is bound to the north by the cities of Pelham and Helena, to the south by the cities of Montevallo and Calera and Shelby County, and to the east and west by Shelby County. Approximately 26 square miles of residential, commercial, industrial, undeveloped lands, and streams make up the MS4 boundary. See **Figure 1: MS4 Boundary**.

There are no waterbodies listed on the 303(d) list or has an approved TMDL within the MS4 boundary. The designated use of Buck Creek within the MS4 boundary is F&W.

2.0 LEGAL AUTHORITY AND ENFORCEMENT

Section 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 code, and regulations related to MS4 management.

1. Ordinance 181001-074, Storm Water Management Illicit Discharge Ordinance: This ordinance was passed to prohibit non-storm water discharges to the MS4 per NPDES permit number ALS000011.

2. Ordinance 181001-075, Storm Water Management Post-Construction Ordinance: This ordinance was passed to ensure the applicability and enforceability of post-construction BMPs at all new development and redevelopment projects per NDPES permit number ALS000011.

3. Ordinance 08-004, Erosion Prevention Measures and Tree Preservation: This ordinance was passed to require erosion prevention measures and tree preservation for any land disturbing activities.

4. Alabaster Subdivision & Development Regulations addresses storm water design requirements for pipes, slopes, detention, and erosion control.

5. Section 3.4 of the City code discusses solid waste disposal requirements.

6. Ordinance 13-002, Flood Damage Prevention Ordinance: This ordinance was passed 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 to:

- Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction. Which include but are not limited to;
- Restrict or prohibit uses which are dangerous to health, safety and property due to water or erosion hazards, or which increase flood heights, velocities or erosion;
- Control filling, grading, dredging and other development which may increase flood damage and erosion;
- Prevent or regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands; and
- Control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of floodwaters.

7. Ordinance 99-010, Zoning Ordinance: This ordinance regulates the height, number of stories, and size of buildings and other structures, the percentage of lots that may be occupied, the size of yards and other open spaces, the density of population and use of buildings, structures and land.

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

DEPARTMENT	RESPONSIBILITIES
Fire Department	• Procedures and training for detecting, tracing the source of and eliminating illicit discharge • Procedures to notify ADEM of a suspect illicit discharge entering the MS4 and adjacent MS4 • Enforcement Response Plan (ERP) • Spill prevention/spill response plan • Spill prevention/spill response training
Public Works	• Stabilize and re-vegetate eroded areas as needed • Remove floatable, litter, sediment, and debris from structural controls • Label storm drain inlets • Post signs prohibiting littering and illegal dumping • Administer the Clean Sweep Program • Trash removal strategy and program
Building, Engineering & Environmental Services	• Ordinances and other regulatory mechanisms that prohibit non-storm water discharges to the MS4 • Maintain map of City owned/maintained structural controls • Inventory of post construction structural controls • Monthly inspection of new and existing structural controls using SOP or inspection checklist • Inform individuals and groups on how to become involved with the storm water program • Evaluate the effectiveness of the public education program • Annual updates of an MS4 map • Dry weather screening program • Post ordinance or other regulatory mechanisms on the City website • Annual Report submittal • Site plan reviews • Inventory of municipal facilities • Good Housekeeping training program • Maintain list of all municipal waste landfills, hazardous waste treatment, storage, disposal and recovery facilities, high risk commercial facilities, and industrial facilities within the MS4 • Wet weather monitoring and reporting • Seek and consider public input in the development and implementation of the SWMPP • Inform individuals and households about the steps they can take to reduce storm water pollution • Site inspection plan • Site inspection checklist • Training MS4 site inspection staff
Parks and Recreation	• Trash removal strategy and program • Application of pesticides, herbicides and fertilizers

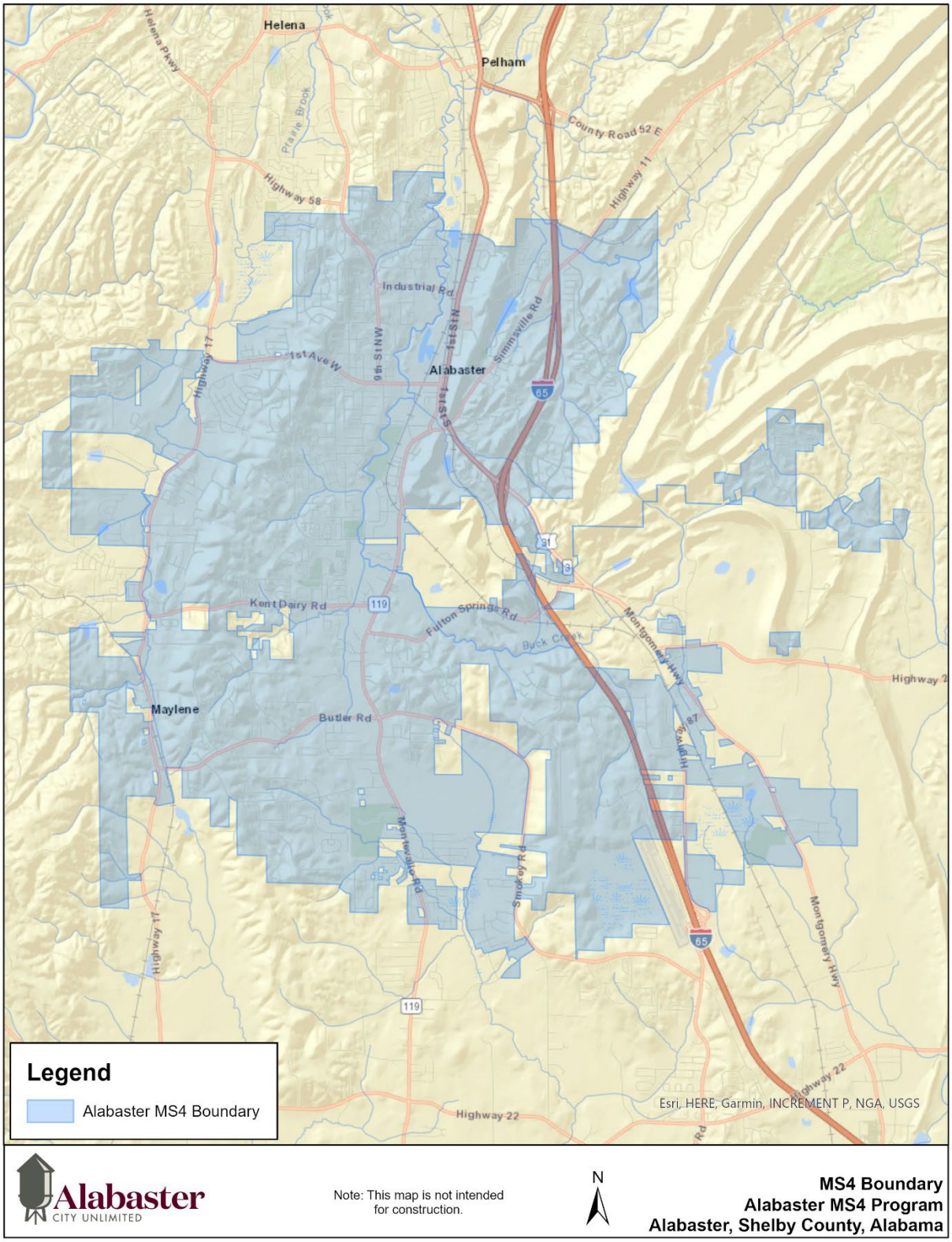


Figure 1: MS4 Boundary

3.0 STORM WATER COLLECTION SYSTEMS OPERATIONS

3.1 Structural Controls Mapping

The City currently has fourteen owned/maintained structural controls within the MS4 boundary limits. A map showing the structural controls is shown on **Figure 2: Structural Controls** and a list of their locations and descriptions can be found in **Appendix B**.

The City will continue to maintain and update the map and list of City owned/maintained structural controls as necessary.

Responsible Department: Building, Engineering & Environmental Services

3.2 Structural Controls Inspection

As stated in the permit, all existing and new structural controls owned/maintained by the permittee shall be inspected using the standard inspection form found in **Appendix B** on a bi-yearly basis.

Responsible Department: Building, Engineering & Environmental Services

3.3 Standard Operating Procedure (SOP) for Structural Control Inspection and Maintenance Procedures

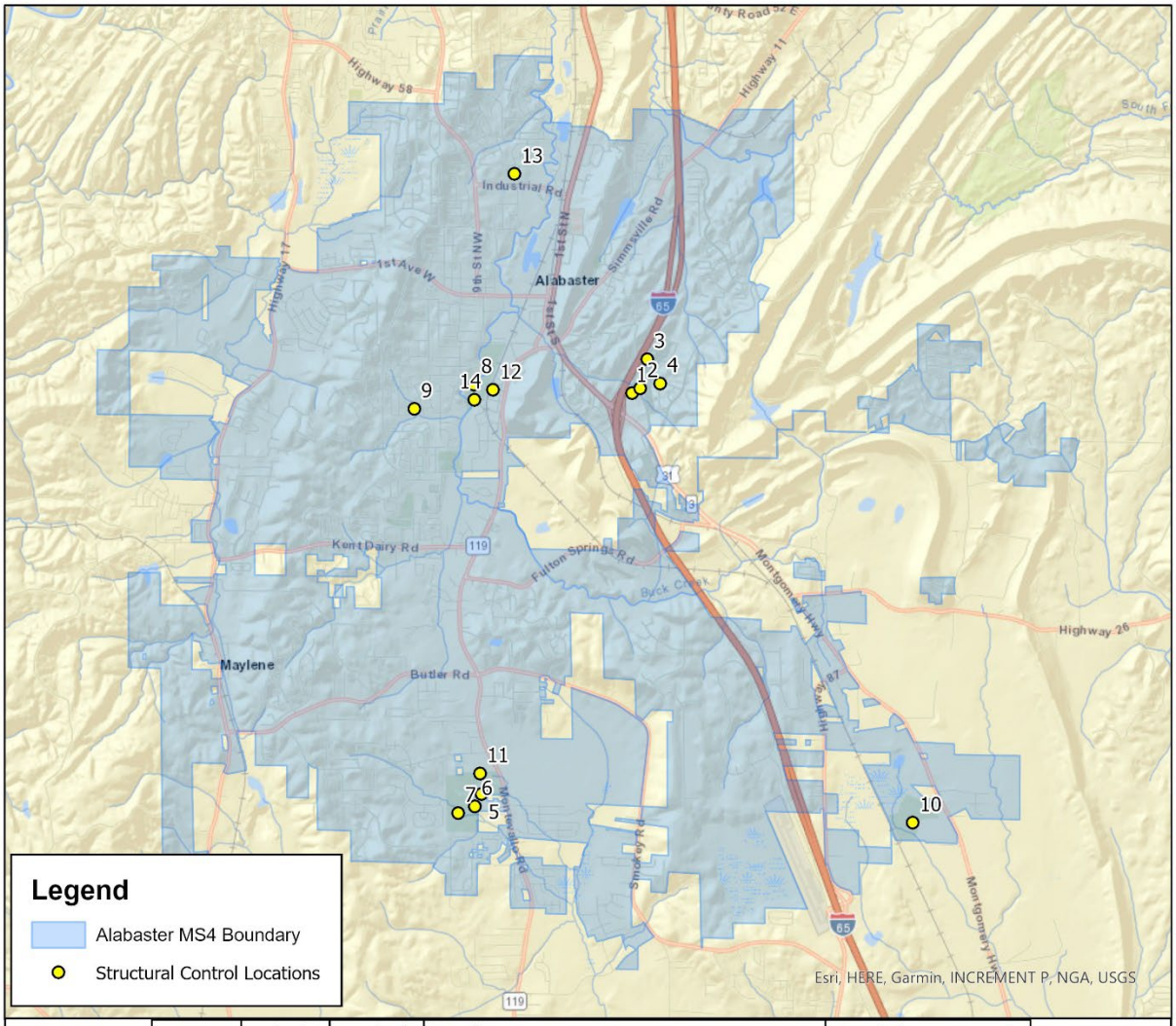
The standard inspection form found in **Appendix B** is used to document structural control inspections. Any deficiencies or maintenance recommendations listed by the contractor on the inspection form are addressed through the City Public Works Department.

Responsible Department: Building, Engineering & Environmental Services and Public Works

3.4 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 standard inspection form noting the eroded areas and will have their personnel or a contractor stabilize and re-vegetate these areas.

Responsible Department: Public Works



Structure Number	Latitude	Longitude	Location	Description
1	33.232633	-86.805828	Pond adjacent to Lowe's parking lot to the north	Commercial detention pond
2	33.233658	-86.804912	Pond adjacent to Taco Bell drive-thru to the south	Commercial detention pond
3	33.23674	-86.803184	Pond adjacent to the south of Ruby Tuesday parking lot	Commercial detention pond
4	33.233925	-86.801435	Pond adjacent to delivery area of Bed, Bath and Beyond	Commercial detention pond
5	33.186679	-86.826276	Veteran's Park retention pond NE from Dog Park	Park retention pond
6	33.185253	-86.827309	Veteran's Park retention pond E from Dog Park	Park retention pond
7	33.184536	-86.82968	Veteran's Park retention pond SW from Dog Park	Park retention pond
8	33.23406	-86.826926	City Hall pond	Detention pond
9	33.231299	-86.835231	Residential pond located adjacent to Oleander Lane	Detention pond
10	33.183657	-86.766706	Public Works pond	Detention pond
11	33.183657	-86.766707	Veteran's Park retention pond NW from Soccer Fields	Park retention pond
12	33.233518	-86.824469	Police Station Pond	Detention pond
13	33.257789	-86.821997	Patriot Park	Detention pond
14	33.23216	-86.82709	Senior Center Park Pond	Detention pond

Alabaster
CITY UNLIMITED

Note: This map is not intended for construction.

N

Structural Controls
Alabaster MS4 Program
Alabaster, Shelby County, Alabama

Figure 2: Structural Control

3.5 Floatables, Litter, Sediment and Debris in Structural Controls

All notable floatables, litter, sediment, and/or debris found during the structural inspection will be documented. The Public Works Department will receive a copy of the standard inspection form and will have their personnel or a contractor remove the noted items. The City will maintain documentation estimating the amount of floatables, litter, sediment and debris that have been removed during maintenance activities.

Responsible Department: Public Works

4.0 PUBLIC EDUCATION AND PUBLIC INVOLVEMENT ON STORM WATER IMPACTS

4.1 Development and Implementation of the SWMPP

The City will seek public input on the SWMPP by holding a public hearing for SWMPP comments. The public will be notified when their participation will assist in the implementation of the SWMPP. Public notifications will be posted on the City website, message boards, and in the monthly City newsletter. Notification announcements will also be made at council meetings.

Responsible Department: Building, Engineering & Environmental Services

4.2 Targeted Pollutant Sources for Public Education

The City discusses targeted pollutant sources in Section 4.4 of the SWMPP.

4.3 Reduction of Litter Floatables and Debris

The City currently maintains signage in the right-of-way of Kent Dairy Road, Holland Drive, Industrial Road, and County Road 11 referencing the City litter control ordinance. The City has plans to expand the Buck Creek Trail, which is directly adjacent to Buck Creek, in the coming years. As a part of that project, signage referencing local codes that prohibit littering and illegal dumping to waterbodies have been installed.

Storm drain inlets and catch basins labeled with a version of a “No Dumping Message” are found on Industrial Park Drive, Willow Creek Place, and at the City Hall complex. The City will continue to identify and label major contributing inlets and catch basins to discharge points with a version of a “No Dumping Message”. Additionally, the City developed the litter gitter program where a trash collection net is deployed across Buck Creek. This net is then emptied monthly and the quantities of trash removed are then weighted and recorded for inclusion in the annual report.

Responsible Department: Public Works

Litter sign located on Holland Drive

Labeled inlet located along Industrial Park Drive

Labeled inlet located at City Hall

4.4 Public Education on Storm Water Pollution Reduction

The City conducts public education events during the permit period. Additionally, the City the maintains newsletter features discussing the MS4 program and has developed a storm water website, https://www.cityofalabaster.com/388/Stormwater-Management. The website and newsletter is continuously populated quarterly and bi-monthly, respectively, to provide educational information to the public on storm water related topics and issues such as:

- General impacts litter has on waterbodies and ways to reduce the litter;
- General impacts of storm water into surface water from impervious surfaces;
- Source control BMPs in areas of pet waste, home vehicle maintenance, landscaping and rain water reuse;
- Yard care techniques that protect water quality;
- Impacts of illicit discharges and how to report them;
- Information on BMPs for use and storage of automotive chemicals, hazardous cleaning supplies, carwash soaps and other hazardous materials;
- BMPs and storage of pesticides, herbicides, and fertilizers;
- Detention/retention pond maintenance;
- Impacts of increased storm water flows into receiving waterbodies;
- Run-off reduction techniques and low impact development (LID)/green infrastructure (GI) practices. Specifically addressing site design, pervious pavement, alternative parking lot design, retention of forests, mature trees and the maintenance required for LID/GI;
- Technical standards for construction site sediment and erosion control; and
- Strom water treatment and flow control BMPs.

Also, educational brochures on storm water topics and issues are placed in City Hall and the library for public pickup.

Responsible Department: Building, Engineering & Environmental Services

4.5 Evaluating the Effectiveness of the Public Education and Public Involvement Program

The City will evaluate the effectiveness of the public education program by monitoring and reporting the amount of traffic on the City website and the number of brochures that

are distributed at the public education events. The City will also evaluate the effectiveness of the public education program by monitoring and reporting the number of participants at the City's Clean Sweep events and the amount of collected oil and electronics gathered yearly. If any portion of the program (including BMPs) is determined to be ineffective, the SWMPP will be updated to address the ineffectiveness.

Responsible Department: Building, Engineering & Environmental Services

4.6 Public Awareness Activities

The City currently has a Clean Sweep Program that sponsors a litter pickup event and a electronic recycling/destruction and paper shredding day in the month of April. These events are advertised in the local newspapers, on the City website, message boards, and in the bi-monthly City newspaper. During the litter pickup event, volunteers spread out across the City to pick up trash along the road right-of-ways. The number of bags of trash collected during the event is recorded by the City. Items collected during the recycling/destruction and paper shredding day include: computer components, keyboards, mice, cables and wiring, power supplies, printers, copiers, fax machines, scanners, telephones, cell phones, print cartridges, media, tapes, compact discs, battery back-ups, microwaves, washers, dryers, dishwashers, blenders, coffee pots, vacuum cleaners, stereos, speakers, VCRs, radios, irons, hair dryers, curling irons, lamps, fans, cordless tools, rechargeable batteries, and any metal (such as shelving and filing cabinets). The recycling company hired for the event provides a tonnage collected to the City. Also, the paper shredding company hired for the event provides the City with a tonnage of paper collected. Buck Creek is the waterway that benefits from these events. It is anticipated that this program will continue annually.

The City will explore engaging local civic groups and high school clubs and organizations to participate in additional litter pickup days.

Responsible Department: Building, Engineering & Environmental Services

5.0 ILLICIT DISCARGE DETECTION AND ELIMINATION (IDDE)

5.1 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**. Structural controls owned/maintained by the City can be seen in **Figure 2: Structural Controls**. Also, a list of the major outfalls latitude and longitude coordinates can be found in **Appendix C** and a list of the structural controls latitude and longitude can be found in **Appendix B**.

The City will review and update the MS4 map and coordinate location list annually.

Responsible Department: Building, Engineering & Environmental Services

5.2 Ordinance/Regulatory Mechanism

Ordinance 181001-074, Storm Water Management Illicit Discharge Ordinance, was passed on October 1, 2018 to prohibit non-storm water discharges to the MS4 per NPDES permit number ALS000011. A copy of this ordinance is located on the City's storm water website, https://www.cityofalabaster.com/388/Stormwater-Management.

The City will review and update this ordinance as necessary per NPDES permit ALS000011.

Responsible Department: Building, Engineering & Environmental Services

5.3 Dry Weather Screening Program

At a minimum, dry weather screening of twenty percent of the major outfalls will be performed annually with 100 percent of the major outfalls screened at least once per the five-year permit period. Currently there are no priority outfalls identified within the MS4 boundary, but if during the dry weather inspections, they are identified, they will be screened on an annual basis. The City and their contractors 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.

In addition to the required dry weather screening program, Public Works staff will be trained 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 Department: Building, Engineering & Environmental Services and Public Works

5.4 Source Identification

If during the dry weather screenings, Public Works identification, or a citizen complaint of an outfall is found to be discharging a liquid, the inspector 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 and analyzed for MBAS,

pH, ammonia, potassium, oil and grease, and E.coli. Based on the lab results, the outfall will be prioritized and scheduled for further investigation if needed.

Responsible Department: Fire Department

5.5 Illicit Discharge Elimination

Once the source and responsible party of an illicit discharge has been identified, the City will take action per Ordinance 181001-074, Storm Water Management Illicit Discharge Ordinance.

Responsible Department: Building, Engineering & Environmental Services

5.6 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.

Responsible Department: Fire Department

5.7 Illicit Discharge Reporting by the Public

The City has a link to their Report a Concern system on their storm water website, https://www.cityofalabaster.com/388/Stormwater-Management, for the public to report illicit discharges.

Responsible Department: Building, Engineering & Environmental Services

5.8 Personnel Training

The City Fire Department designated to respond to illicit discharges will be provided one IDDE training session annually.

Responsible Department: Fire Department

Responsible Department: Building, Engineering & Environmental Services

6.0 CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

6.1 Site Plan Reviews

Ordinance 08-004 states that prior to the issuance of any permit for clearing, grading, excavating, filling, or any other activity which may result in soil erosion from water or wind or the movement of sediment from disturbed property into streets, highways, or

waters, the applicant must submit an erosion and sediment control plan with accompanying site plan, to be reviewed and approved by the building official or city engineer. The erosion and sediment control plan for the entire site must show all BMPs that may include but not limited to construction exit pad, silt fencing, wattles, inlet protection, outlet protection, surface stabilization measures, etc. meeting the requirements of the City of Alabaster Land Disturbance and ADEM guidelines. The approved erosion and sediment control plan may be amended if inspection reveals inadequacies with the plan. No land disturbing activity, commercial or residential, may be commenced prior to plan approval and issuance of a permit.

Responsible Department: Building, Engineering & Environmental Services

6.2 Site Inspection Plan

The City typically performs construction site inspections on a weekly basis, but at a minimum, inspections are performed monthly for priority construction sites and other sites determined by the City to be a significant threat to water quality. All other qualifying construction sites are inspected every two months at a minimum. If there are deficiencies noted during an inspection, the permit holder will be notified they did not pass inspection and will need to correct deficiencies and request a re-inspection.

Responsible Department: Building, Engineering & Environmental Services

6.3 Construction Site Waste Control

In accordance with Ordinance 99-010, Article VII Supplemental Regulations, Section 2.0,

A. Building materials, temporary structures or construction debris or trash, shall not be placed or stored on any lot or parcel before appropriate building permits have been approved and issued for the premises, by the Building Official.

B. All construction debris and/or waste materials shall be removed from the premises prior to issue of a Certificate of Occupancy. Said debris and/or waste materials shall be handled in accordance with all Federal, State, and local laws and ordinances. No garbage, paint cans, or similar debris shall be buried on the property. Burning of appropriate materials is allowed in accordance with all applicable laws.

C. All waste associated with construction of a building or structure shall be contained. Burning of waste or burying of waste in other than a landfill which is permitted by the Alabama Department of Environmental Management, is prohibited. Portable toilet, licensed by the Shelby County Health Department, shall be provided for all workers

involved in the clearing or grading of land or the construction or demolition of a building or structure.

D. All public streets and storm drainage structures shall be kept free from dirt, mud, trash and other debris associated with clearing, grading and the construction of any building or structure.

A hyperlink to the City of Alabasters Library of ordinances can be found here: https://library.municode.com/al/alabaster/codes/code_of_ordinances

Responsible Department: Building, Engineering & Environmental Services

6.4 Training of MS4 Site Inspection Staff

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

The City will continue to provide annual QCI training for City staff responsible for erosion control inspections.

Responsible Department: Building, Engineering & Environmental Services

6.5 Construction Site Inspection Checklist

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

Responsible Department: Building, Engineering & Environmental Services

6.6 Enforcement Response Plan (ERP)

An Enforcement Response Plan is included in Section 10 of Ordinance 181001-074, Storm Water Management Illicit Discharge Ordinance.

Responsible Department: Fire Department

6.7 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. The City also has links on their storm water website that provide information 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.

- Technical standards for construction site sediment and erosion control.
- Storm water treatment and flow control BMPs.

Responsible Department: Building, Engineering & Environmental Services

6.8 Construction Site Pollution Discharge Reporting by the Public

The City has a link to their Report a Concern system on their storm water website, www.cityofalabaster.com/388/Stormwater-Management, for the public to report construction site pollution discharges.

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

7.1 Ordinance/Regulatory Mechanism

Ordinance 181001-075, Storm Water Management Post-Construction Ordinance, was passed October 1, 2018 to ensure the applicability and enforceability of post-construction BMPs at all new development and redevelopment projects per NDPES permit number ALS000011. A copy of this ordinance is located on the City's storm water website, https://www.cityofalabaster.com/388/Stormwater-Management.

Responsible Department: Building, Engineering & Environmental Services

7.2 Post-Construction Structural and/or Non-Structural BMPs

The City of Alabaster Subdivision and Development Regulations detail acceptable design criteria meeting the requirements of NPDES Permit No. ALS000011 and shall be the basis for the design and implementation of post-construction structural and/or non-structural BMPs. A copy of the Subdivision and Development Regulations is available on the City's storm water website, https://www.cityofalabaster.com/388/Stormwater-Management, as well as links to other design references adopted by the City such as the Alabama Low Impact Development Handbook and The Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas.

Landowners and developers must develop and maintain post-construction BMPs to ensure, to the maximum extent practicable, that post-construction hydrology mimics pre-construction hydrology of the site. A 25-year, 24-hour rain event shall be the basis for the design and implementation of post-construction BMPs. The incorporation of LID/GI is not mandatory in the current Subdivision and Development Regulations, but it is strongly

encouraged. Subdivision and Development Regulations are being revised to incorporate LID and GI infrastructure.

Submittal of a post-construction BMP plan, for approval by the City, must be included as an integral part of the site-plan approval process.

Responsible Department: Building, Engineering & Environmental Services

7.3 As-built Certification

All approved post-construction BMP plans will remain in the project address folder and will serve as the "as-built" certification once the Certificate of Occupancy/Completion is issued for the project.

Responsible Department: Building, Engineering & Environmental Services

7.4 Annual Inspection

The City shall perform or require the performance of an inspection by the developer/owner/operator at least once per year to confirm proper function of BMPs, require corrective actions to poorly functioning or inadequately maintained BMPs, and require record keeping of maintenance activities, inspections, and corrective actions. Records of these inspections shall be made available to ADEM upon request and copies shall be provided to the City on an annual basis. The minimum documentation requirements for inspections, if applicable, are as follows:

a) Facility type;

b) Inspection date;

c) Name and signature of qualified inspector;

d) Site location;

e) Owner information (name, address, phone number, and email);

f) Checklist of BMP's that must be inspected and required condition of the BMP's to ensure proper functioning. Description of the storm water BMP condition that may include the quality of: vegetation and soils, inlet and outlet channels and structures, embankments, slopes, and safety benches; permeable paving; spillways, weirs, and other control structures; and sediment and debris accumulation in storage and forebay areas as well as in and around inlet and outlet structures;

g) Photographic documentation of all critical storm water BMP components;

h) Specific maintenance items or violations that need to be corrected by the owner/operator of the storm water control or BMP; and

i) Maintenance agreements for long-term BMP operations and maintenance.

Annual inspections began in Fiscal Year 2019.

Responsible Department: Building, Engineering & Environmental Services

7.5 Long-Term Operation and Maintenance

A Post-Construction BMP Operation and Maintenance Plan (Plan) shall be a part of the plan review process and an executed copy shall be placed in the project address folder and the MS4 Post-Construction folder. The Plan shall identify the necessary reoccurring maintenance and operational activities and schedule of those activities necessary to ensure that the BMPs continue to meet the original design intent and standards. The Plan shall also designate the party that is responsible and funding mechanism necessary to implement the Plan.

One or more of the following shall be applicable (as determined by the City) to establish the responsible party for long term operation and maintenance:

a) The developer's signed statement accepting responsibility for maintenance until the maintenance responsibility is legally transferred to another party.

b) Written conditions in the sale or lease agreement that requires the recipient to assume responsibility for maintenance.

c) Written conditions in projection conditions, covenants, and restrictions for residential properties assigning maintenance responsibilities to a home owner's association or other appropriate group for maintenance of structural and treatment control management practices.

d) Any other legally enforceable agreement that assigns permanent responsibility for maintenance.

Responsible Department: Building, Engineering & Environmental Services

7.6 Inventory of Post-Construction Structural Controls

The City maintains a list of sites that have privately-owned post-construction structural controls. This list includes columns for post-construction structural control permit numbers and owner addresses. As sites with post-construction structural controls are approved, the City will update the list to include them. A current site list is found in

Appendix E. This list will be updated annually to include the site-specific structural controls that exist on each listed site.

Responsible Department: Building, Engineering & Environmental Services

8.0 SPILL PREVENTION AND RESPONSE

8.1 Spill Prevention/Spill Response Plan

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

Responsible Department: Fire Department

8.2 Personnel Spill Prevention/Response Training

Annual training is provided for City personnel responsible for spill prevention/response.

Responsible Department: Fire Department

9.0 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

9.1 Municipal Facilities Inventory

See **Figure 3: Municipal Facilities** for a map of municipal facilities. The map will be reviewed annually and updated if needed. A list of the municipal facilities is found in **Appendix G**.

Responsible Department: Building, Engineering & Environmental Services

9.2 Trash Removal Strategy and Program

All municipal parks have trash receptacles that are maintained through the Parks and Recreation Department. Parks and Recreation employees also patrol the parks and pick up any trash found on the grounds.

The Public Works Department is responsible for garbage pickup within the city limits. They also provide curbside pickup for yard or junk/rubbish.

City streets are swept quarterly by a contractor. Also, the City has part-time employees that are responsible for daily roadside litter patrol.

All trash quantities that are collected annually by various means are recorded and these quantities are provided in the annual report.

Responsible Department: Public Works and Parks and Recreation

9.3 Good Housekeeping Practices Standard Operating Guidance (SOG)

The SOG detailing good housekeeping practices to be employed at appropriate municipal facilities and during municipal operations is located in **Appendix G**.

Responsible Department: Building, Engineering & Environmental Services

9.4 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 G** for the inspection checklist.

Responsible Department: Building, Engineering & Environmental Services

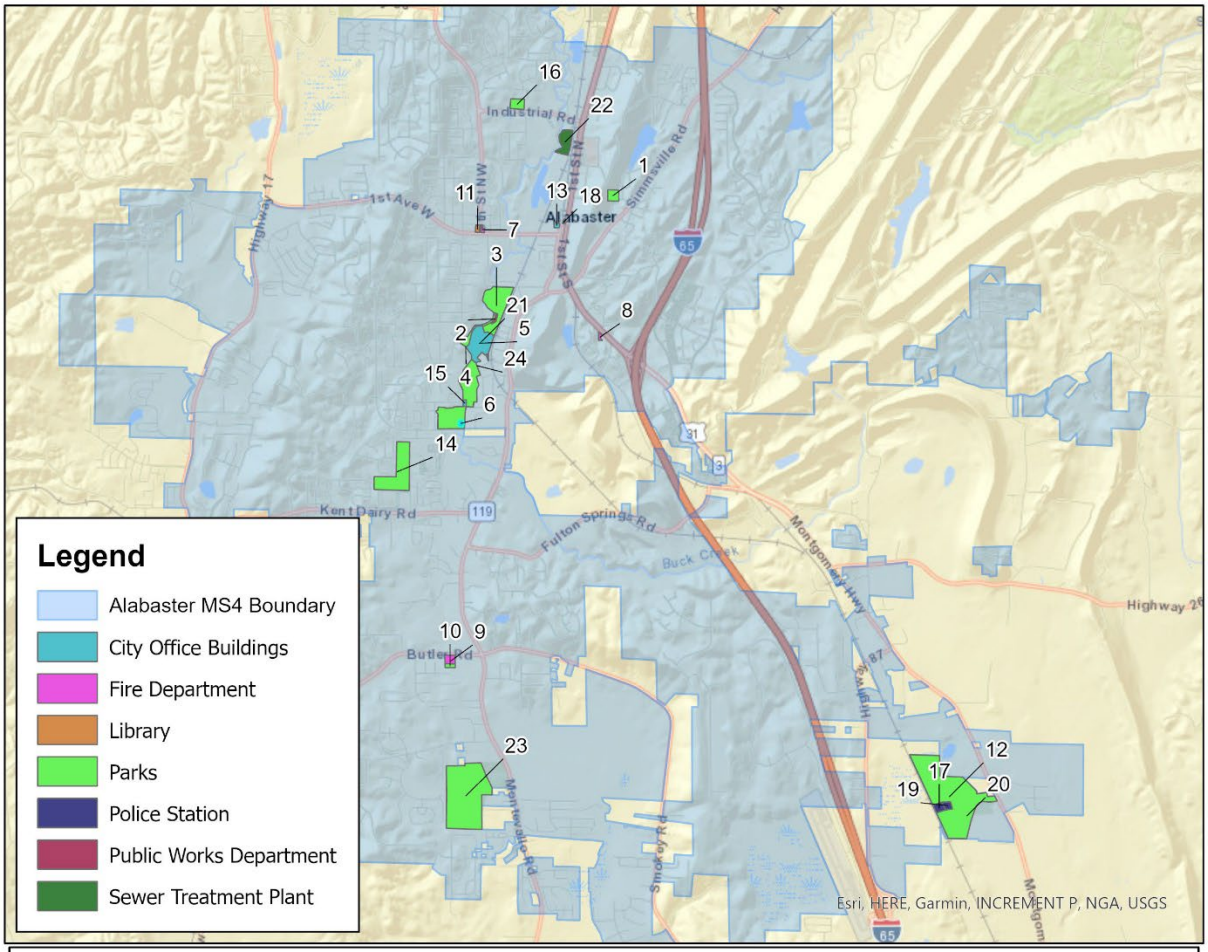
9.5 Good Housekeeping Training Program

City staff will be trained annually on good housekeeping practices outlined in the SOG found in **Appendix G**.

Responsible Department: Building, Engineering & Environmental Services

9.6 City Owned Flood Management Projects

Currently the City does not own, operate, or have the responsibility of any flood management projects.



Facility	Date	Number
Abbey Wooley	8/9/2022	1
Buck Creek Maintenance Shop	8/9/2022	2
Buck Creek Park	8/9/2022	3
Buck Creek Trail	8/9/2022	4
City Hall	8/9/2022	5
Depot	8/9/2022	6
Fire Station #1	8/9/2022	7
Fire Station #2	8/9/2022	8
Fire Station #3	8/9/2022	9
Heroes Park	8/9/2022	10
Library	8/9/2022	11
Limestone Park	8/9/2022	12

Facility	Date	Number
Police Municipal Annex	8/9/2022	13
Municipal Park	8/9/2022	14
Parks and Rec Building	8/9/2022	15
Patriot Park	8/9/2022	16
PD Firing Range	8/9/2022	17
Police Station	8/9/2022	18
Police Training Limestone	8/9/2022	19
Public Works	8/9/2022	20
Senior Center	8/9/2022	21
Sewer Plant	8/9/2022	22
Veterans Park	8/9/2022	23
Warrior Park	8/9/2022	24

Alabaster
CITY UNLIMITED

Note: This map is not intended for construction.

N

Municipal Facilities
Alabaster MS4 Program
Alabaster, Shelby County, Alabama

Figure 3: Municipal Facilities

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

The Parks and Recreation Department keeps annual records of pesticide, herbicides, and fertilizers (PHFs) used at municipal facilities. Each chemical used is applied per the labeling instructions. Material safety data sheets (MSDS) on each product are found in the chemical storage areas. City staff responsible for application of PHFs receives 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. City facilities that store PHF will be inspected annually to determine proper storage, product labeling, and MSDS accessibility.

Responsible Department: Parks and Recreation

11.0 OILS, TOXICS AND, HOUSEHOLD HAZARDOUS WASTE CONTROL

The City currently has on their storm water website, https://www.cityofalabaster.com/388/Stormwater-Management, a link to their Report a Concern system for citizens to report spills, illicit discharges and improper disposals. Also included on this page is the City's Standard Operating Procedure for Spills, Illicit Discharges, and Improper Disposals and a list of used cooking oil recycling centers. Annual training on spill prevention is provided to City personnel who work at municipal facilities where oils and toxic materials are used.

Responsible Department: Building, Engineering & Environmental Services and Public Works.

12.0 INDUSTRIAL STORM WATER RUNOFF

12.1 Inventory of Industrial Facilities

The City maintains a list of industrial facilities and high-risk commercial facilities located within the city limits, see **Appendix H**. There are no municipal waste landfills, hazardous waste treatment, storage, disposal and recovery facilities within the city limits. Annual inspections are conducted at facilities listed that do not have a current NPDES permit issued by ADEM. See **Appendix H** for the Industrial Inspection form.

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

Responsible Department: Building, Engineering & Environmental Services

13.0 SWMPP PLAN REVIEW AND MODIFICATION

This plan will be reviewed annually and updated as necessary.

14.0 WET-WEATHER MONITORING AND REPORTING

14.1 Monitoring Locations

The City currently has two wet-weather monitor representative locations in Buck Creek.

Responsible Department: Building, Engineering & Environmental Services

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: Building, Engineering & Environmental Services

14.2 Monitoring Parameters and Frequency

Grab samples are analyzed for the following parameters:

a. Temperature
b. pH/ORP
c. Turbidity (NTU)
d. Conductivity
e. Dissolved Oxygen (mg/L)
f. Ammonia Nitrogen (NH_3-N) (mg/L)
g. Biochemical Oxygen Demand (BOD) (mg/L)
h. Chemical Oxygen Demand (COD) (mg/L)
i. E.coli
j. Fecal Coliform
k. Hardness as $CaCO_3$ (mg/L)
l. Nitrate plus Nitrite Nitrogen (NO_3+NO_2-N) (mg/L)
m. Oil and Grease (mg/L)
n. Total Dissolved Solids (TDS) (mg/L)
o. Total Kjeldahl Nitrogen (TKN) (mg/L)
p. Total Nitrogen (TN) (mg/L)

q. Total Phosphorus (mg/L)
r. Total Suspended Solids (TSS) (mg/L)

Samples will be collected on a quarterly basis.

Responsible Department: Building, Engineering & Environmental Services

14.3 Sample Type, Collection and Analysis

The City has a contractor that is responsible for collecting grab samples and running the sample analysis. Field sampling and lab analysis reports will be provided in the annual report.

Responsible Department: Building, Engineering & Environmental Services

APPENDIX A

ADEM Permit ALS000011

LANCE R. LEFLEUR
DIRECTOR

KAY IVEY
GOVERNOR

Alabama Department of Environmental Management
adem.alabama.gov
1400 Coliseum Blvd. 36110-2400 ▪ Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 ▪ FAX (334) 271-7950

Certified Mail 9489 0090 0027 6286 8085 27

September 20, 2021

Honorable Scott Brakefield
Mayor, City of Alabaster
1953 Municipal Way
Alabaster, Alabama 35007

RE: City of Alabaster Phase I Municipal Separate Storm Sewer System (MS4)
NPDES Permit ALS000011
Shelby County (117)

Dear Mayor Brakefield:

The Department has made a final determination to issue NPDES Permit No. ALS000011 to the City of Alabaster for discharges from its MS4. The NPDES Permit Number ALS000011 will be effective September 20, 2021 and expire September 19, 2026.

The Department notified the public of its tentative determination to issue NPDES Permit Number ALS000011 on August 09, 2021. Interested persons were provided the opportunity to submit comments on the Departments tentative decision through September 9, 2021. The Department did not receive comments during the public comment period for the above NPDES permit.

The City is responsible for compliance with all provisions of the permit including, but not limited to, the performance of any monitoring, the submittal of any reports, and the preparation and implementation of any plans required by the permit. If you have questions concerning this permit, please contact Melanie Ratcliffe either by email at melanie.ratcliffe@adem.alabama.gov or by phone at (334) 270-5616.

Sincerely,

James H. Carlson, Chief
Stormwater Management Branch
Water Division

JHC/mnr
File: FPER/47473
Enclosures: Permit
Cc: Ms. Mary Kuo, Environmental Protection Agency
Mr. Brett Tucker, City of Alabaster

Birmingham Branch
110 Vulcan Road
Birmingham, AL 35209-4702
(205) 942-6168
(205) 941-1603 (FAX)

Decatur Branch
2715 Sandlin Road, S.W.
Decatur, AL 35603-1333
(256) 353-1713
(256) 340-9359 (FAX)

Mobile Branch
2204 Perimeter Road
Mobile, AL 36615-1131
(251) 450-3400
(251) 479-2593 (FAX)

Mobile-Coastal
3664 Dauphin Street, Suite B
Mobile, AL 36608
(251) 304-1176
(251) 304-1189 (FAX)

Alabama Department of Environmental Management

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PERMITTEE: CITY OF ALABASTER

AREA OF COVERAGE: CORPORATE BOUNDARIES OF THE CITY OF ALABASTER

PERMIT NUMBER: ALS000011

RECEIVING WATERS: WATERBODIES WITHIN THE CORPORATE BOUNDARIES OF THE CITY OF ALABASTER

In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§1251-1378 (the "FWPCA"), the Alabama Water Pollution Control Act, as amended, ***Code of Alabama 1975****, §§ 22-22-1 to 22-22-14 (the "AWPCA"), the Alabama Environmental Management Act, as amended,* ***Code of Alabama 1975****, §§22-22A-1 to 22-22A-15, and rules and regulations adopted thereunder, and subject further to the terms and conditions set forth in this permit, the Permittee is hereby authorized to discharge into the above-named receiving waters.*

ISSUANCE DATE: SEPTEMBER 20, 2021

EFFECTIVE DATE: SEPTEMBER 20, 2021

EXPIRATION DATE: SEPTEMBER 19, 2026

Alabama Department of Environmental Management

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PART I Applicability

A. Permit Area

This permit applies to the corporate boundaries of the City of Alabaster that are regulated by the Permittee and discharge to the Permittee's Municipal Separate Storm Sewer System (MS4).

B. Authorized Discharges

1. This permit authorizes all existing or new stormwater point source discharges to waters of the State of Alabama from those portions of the (MS4s) owned or operated by the Permittee. Discharge of pollutants shall be reduced to the Maximum Extent Practicable (MEP), shall not cause, nor contribute to, violations of Alabama Water Quality Standards, and shall be in compliance with Total Maximum Daily Loads (TMDLs) where applicable.

2. This permit authorizes the following non-stormwater discharges provided that they do not cause or contribute to a violation of water quality standards and provided that they have been determined not to be substantial contributor pollutants by the Permittee or the Department:
    a. Water line flushing
    b. Landscape irrigation (not consisting of treated, or untreated wastewater unless authorized by the Department)
    c. Diverted stream flows
    d. Uncontaminated groundwater infiltration
    e. Uncontaminated pumped groundwater
    f. Discharges from potable water sources
    g. Foundation and footing drains
    h. Air conditioning drains
    i. Irrigation water (not consisting of treated, or untreated, wastewater unless authorized by the Department)
    j. Rising groundwater
    k. Springs
    l. Water from crawl space pumps
    m. Lawn watering runoff
    n. Individual residential car washing, to include charitable carwashes
    o. Residual street wash water
    p. Discharge or flows from firefighting activities (including fire hydrant flushing)
    q. Flows from riparian habitats and wetlands
    r. Dechlorinated swimming pool discharges

C. Prohibited Discharges

The following discharges are not authorized by this permit:

1. Discharges that are mixed with sources of non-stormwater, unless such non-stormwater discharges are in compliance with a separate NPDES permit or where those dischargers have been determined not to represent significant sources of pollution, as identified by, and in compliance with, Part I.B.2;

2. Discharges of materials resulting from a spill, except emergency discharges required to prevent imminent threat to human health or to prevent severe property damage, provided reasonable and prudent measures have been taken to minimize the impact of the discharges; and

3. The discharge of sanitary wastewater through cross connections or other illicit discharges through the MS4 is prohibited.

PART II Storm Water Pollution Prevention & Management Program (SWMP)

A. Storm Water Management Program (SWMP)

1. 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 MEP, protect water quality, and satisfy appropriate water quality provisions of the Clean Water Act.

2. The Permittee shall provide and maintain adequate finance, staff, equipment, and support capabilities necessary to implement the SWMPP and comply with the requirements of this permit.

3. The SWMPP must address the minimum program elements referenced in Part II.B. to include the following:

    a. A map of the Permittee's MS4 jurisdictional boundaries;
    b. The BMPs that will be implemented for each program element;
    c. Low Impact Development (LID)/Green Infrastructure (GI) shall be considered and actively encouraged where feasible. Information on LID/GI is available on the following websites: http://www.adem.alabama.gov/programs/water/waterforms/LIDHandbook.pdf and http://www.epa.gov/nps/urban-runoff-low-impact-development
    d. The measurable goals for each of the program elements outlined in Part II.B.;
    e. The proposed schedule – including interim milestones, as appropriate, inspections, and the frequency of actions needed to fully implement each program element; and,
    f. The person and/or persons responsible for implementing or coordinating the BMPs for each separate program element.

4. The Permittee shall submit to the Department within nine (9) months of the effective date of this permit a revised SWMPP. Once the initial SWMPP is acknowledged by ADEM, activities and associated schedules outlined by the SWMPP or updates to the SWMPP are conditions of this permit.

5. Unless otherwise specified in this permit, the Permittee shall be in compliance with the conditions of this permit by the effective date.

B. Stormwater Program Elements and Requirements

1. **Stormwater Collection System Operations**

    a. Structural Controls

        i. For Permittee owned/maintained structural controls, the structural controls shall be operated in a manner to reduce the discharge of pollutants, to include inspection and maintenance, to the MEP;

ii. For Permittee owned/maintained structural controls, the Permittee shall include in the SWMPP and implement the following:

1. A map of the structural controls which should be updated as needed;
2. Inspection of existing and newly constructed structural controls on a semi-annual basis, at a minimum;
3. Implementation of Standard Operating Procedures (SOPs) or inspection checklists for structural control inspections and maintenance procedures;
4. Stabilization and re-vegetation of eroded areas as needed; and
5. Monthly inspections for floatables, litter, sediment and debris, in structural controls, with removal as needed.

iii. The Permittee shall maintain an internal record keeping system to track the inventory of structural controls, inspections, and maintenance of the control structures.

iv. The Permittee shall report each year in the Annual Report the following structural control information:

1. The number of inspections performed on structural controls, to include follow-up inspections. The inspection documentation (i.e., checklist) shall be made available upon request;
2. A detailed description of the maintenance activities performed on structural controls, as well as the frequency;
3. The estimated amount of floatable, litter, sediment and debris that was removed;
4. Copies of any contractual agreements for maintenance activities if not performed by the Permittee. The contractual agreement should specify maintenance activities performed and schedule; and
5. Updated structural controls map.

v. The Permittee shall provide in the Annual Report an analysis of the effectiveness of the Stormwater Collection Systems Operations program.

2. **Public Education and Public Involvement on Stormwater Impacts**

a. The Permittee must further develop, revise, and implement a public education and outreach program to inform the community about the impacts from stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff to the MEP. The Permittee shall continuously implement this program in the areas served by the MS4. Each year, the Permittee shall implement a minimum of four (4) BMPs, with two (2) BMPs emphasizing public education and two (2) BMPs emphasizing public involvement.

b. The Permittee shall include within the SWMPP a list of potential BMPs that the Permittee may implement. Regarding public education and public involvement, the SWMPP must address the following information, at a minimum:

1. Seek and consider public input in the development and implementation of the SWMPP;

2. Identify targeted pollutant sources the Permittee's public education program is intended to address;

3. Specifically address the reduction and removal of litter, floatables and debris from entering the MS4, that may include, but is not limited to the following:

    a. A program to support volunteer groups for labeling storm drain inlets and catch basins with "no dumping" message;
    b. Posting signs referencing local codes that prohibit littering and illegal dumping at designated public access points to open channels, creeks, and other relevant waterbodies; and
    c. Participate in at least one activity each year that targets the removal of litter, floatables, and debris from the MS4 area as described in the SWMPP. Estimate the amount of litter, floatables, and debris that is removed from the MS4 for each activity.

4. Inform and involve individuals and households about the steps they can take to reduce stormwater pollution; and

5. Inform individuals and groups on how to participate in the stormwater program (with activities such as, but not limited to, local stream and lake restoration activities, stormwater stenciling, advisory councils, watershed associations or committees, participation on rate structures, stewardship programs, and environmental related activities). The target audiences and subject areas for the education program that are likely to have significant stormwater impacts should include the following, at a minimum:

    i. General Public
        a. On a quarterly basis, at a minimum, the general public shall be educated on the general impacts litter has on water bodies, how trash is delivered to streams via the MS4, and ways to reduce the litter;
        b. General impacts of stormwater flow into surface water from impervious surface;
        c. Source control BMPs in areas of pet waste, vehicle maintenance, landscaping, and rainwater reuse; and
        d. Impacts of illicit discharges and how to report them.

    ii. General Public and Businesses to include Home-based and Mobile Businesses
        a. BMPs for use and storage of automotive chemicals, hazardous cleaning supplies, carwash soaps and other hazardous materials; and
        b. Impacts of illicit discharges and how to report them.

    iii. Homeowners, Landscapers, and Property Managers
        a. Yard care techniques that protect water quality;
        b. BMPs for use and storage of pesticides, herbicides, and fertilizers;
        c. Stormwater pond maintenance; and
        d. General impacts of stormwater into surface water from impervious surface.

    iv. Engineers, Contractors and Developers, Review Staff, and Land Use Planners
        a. Impacts of increased stormwater flows into receiving water bodies;
        b. Technical standards for construction site sediment and erosion control;
        c. Stormwater treatment and flow control BMPs; and
        d. Run-off reduction techniques and Low Impact Development (LID)/Green Infrastructure (GI) practices that may include, but not

limited to, site design, pervious pavement, alternative parking lot design, retention of forests and mature trees to assist in stormwater treatment and flow control BMPs, and maintenance required for LID/GI.

6. Evaluate the effectiveness of the public education and the public involvement program. If the Permittee determines any portion of the program (including BMPs) to be ineffective, then the Permittee shall update the SWMPP to address the ineffectiveness.

c. The Permittee shall report each year in the Annual Report the following information:

1. A description of the activities used to involve groups and/or individuals in the development, revision, and implementation of the SWMPP;
2. A description of the individuals and groups targeted and how many groups and/or individuals participated. If exact participation is not readily quantifiable, then an estimation will be sufficient;
3. A description of the BMPs performed along with the quantity utilized (i.e., number of printed brochures, and the number distributed of newspaper copies, number of workshops hosted/attended, the number of public service announcements, etc.); and
4. Results of the evaluation of the effectiveness for the public education program and public involvement program as required in Part II.B.2.b.6.

d. The current SWMPP and latest Annual Report should be posted on the Permittee's website, if available, and within 30 days of submittal of the SWMPP to the Department.

3. **Illicit Discharge Detection and Elimination (IDDE)**

a. The Permittee shall implement an ongoing program to detect and eliminate illicit discharges and improper disposal into the MS4, to the Maximum Extent Practicable. The program shall include, at a minimum, the following:

1. The development and annual update of a MS4 map. An initial map shall be provided in the SWMPP with updates, if any, provided each year in the Annual Report. The map shall include, at a minimum, the following:

a. The latitude/longitude of all known outfalls;
b. The names of all waters of the State within the MS4 area that receive discharges from these outfalls; and
c. Structural BMPs owned, operated, or maintained by the Permittee, if applicable.

2. To the extent allowable under State law, an ordinance or other regulatory mechanism that effectively prohibits non-stormwater discharges to the MS4. A copy of the IDDE ordinance or other regulatory mechanism location or a hyperlink to the location of the ordinance or other regulatory mechanism on the Permittee's website shall be included in the SWMPP. The ordinance or other regulatory mechanism shall:

a. Include escalating enforcement procedures and actions;
b. Require the removal of illicit discharges and the immediate cessation of improper disposal practices upon identification of responsible parties. Where the removal of illicit discharge within ten (10) working days is not possible, the ordinance shall require an expeditious schedule for

removal of the discharge. In the interim, the ordinance shall require the operator of the illicit discharge to take all reasonable and prudent measures to minimize the discharge of pollutants to the MS4; and

c. Provide for the annual review of the IDDE ordinance and update, as necessary.

3. A dry weather screening program designed to detect and address non-stormwater discharges to the MS4. This program must address, at a minimum, dry weather screening of twenty (20) percent of all major outfalls at least once per year with all (100 percent) outfalls screened at least once per five (5) years. Priority areas, as described by the Permittee in the SWMPP, will be dry weather screened on a more frequent schedule as outlined in the SWMPP. When determining priority areas, consider criteria such as, but not limited to, areas with older infrastructure, mixed-use areas, areas with a history of past illicit discharges, areas with on-site sewage disposal systems, or areas upstream of sensitive waterbodies. If any flow, from an unidentified source, is observed during the dry weather screening of a outfall, then the Permittee shall follow the sampling protocol as outlined in the SWMPP and developed in accordance with EPA's guidance manual, *Illicit Discharge Detection and Elimination, A Guidance Manual for Program Development and Technical Assessments*, Center for Watershed Protection, October 2004;

4. Procedures for tracing the source of a suspect illicit discharge as outlined in the SWMPP. At a minimum, these procedures will be followed to investigate portions of the MS4 that, based on the results of the field screening or other appropriate information, indicate a reasonable potential of containing illicit discharges or other sources of non-stormwater;

5. Procedures for eliminating an illicit discharge as outlined in the SWMPP;

6. Procedures to notify ADEM of a suspect illicit discharge entering the Permittee's MS4 from an adjacent MS4 as outlined in the SWMPP;

7. A mechanism for the public to report illicit discharges discovered within the Permittee's MS4 and procedures for appropriate investigation of such reports;

8. A training program for appropriate personnel on identification, reporting, and corrective action of illicit discharges. The SWMPP must address, at a minimum, the frequency of training and identifying the appropriate personnel by title to be trained during the permit cycle; and

9. The Permittee shall post on its website the ordinance or other regulatory mechanism as required by Part II.B.3.a.2 of this Permit.

b. The Permittee shall report each year in the Annual Report the following information:

1. Total number of outfalls within the MS4, the number and location of outfalls observed during the dry weather screening of the current year to include any follow-up screenings and the number of outfalls observed in priority areas identified by the Permittee;

2. Updated MS4 map(s) as required by Part.II.B.3.a.1. unless there are no changes to the map that was previously submitted. When there are no changes to the map, the Annual Report must state this;

3. Copies of the IDDE ordinance or other regulatory mechanism or provide a hyperlink for the ordinance or regulatory mechanism location on the Permittee's website. When there are no changes to the ordinance or other regulatory mechanism, the Annual Report must state this;

4. Date(s) of training conducted for appropriate personnel; and

5. The number of illicit discharges investigated, any associated sampling results, and the summary of corrective actions taken to include dates and timeframe of response.

4. **Construction Site Stormwater Runoff Control**

a. The Permittee shall further develop, revise, implement, and enforce an ongoing program to reduce, to the maximum extent practicable, the pollutants in any stormwater runoff to the MS4 from qualifying construction sites. The program shall include the following, at a minimum:

1. Procedures to require all applicable construction sites to obtain coverage under ADEM NPDES General Permit ALR10000 or other applicable NPDES permits;

2. To the extent allowed under State law, an ordinance or other regulatory mechanism to require effective erosion and sediment controls on qualifying construction sites, as well as sanctions to ensure compliance;

3. Requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality;

4. Procedures for site plan review and approval to ensure the selection of effective erosion and sediment controls are consistent with the Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas published by the Alabama Soil and Water Conservation Committee (hereinafter the "Alabama Handbook") and are appropriate for site conditions. Site plan review may be prioritized based on criteria outlined in the Permittee's SWMPP and may include, but is not limited to, size and location within priority watersheds. The plan review process shall also consider potential water quality impacts;

5. A mechanism for the public to report complaints regarding pollution discharges from construction sites;

6. Inspection of construction sites to verify use and proper maintenance of appropriate BMPs. Inspections of construction sites shall be performed in accordance with the frequency specified in the table below:

Site	Inspection Frequency
Priority Constructions Sites (Defined in Part V.AA.)	At a minimum, inspections must occur monthly
Other sites determined by the Permittee or Permitting Authority to be a significant threat to water quality*	

All qualifying construction sites not meeting the criteria specified above.	At a minimum, inspections must occur every two (2) months
*In evaluating the threat to water quality, the following factors must be considered, if applicable: soil erosion potential; site slope; project size and type; sensitivity of receiving waterbodies including 303d or TMDL status; proximity to receiving waterbodies; non-stormwater discharges; past record of non-compliance by the operators of the construction site; and other factors deemed relevant to the MS4.	

7. Inventory of active qualified construction sites that are updated as new qualified construction sites are commenced and completed. The inventory must contain relevant contact information for each site (e.g., tracking number, name, address, phone, etc.), the size of the project and area of disturbance, whether the site has submitted for permit coverage under the Alabama Construction Site General Permit, whether the qualified construction site is in a priority watershed, and the date the permittee approved the construction site plan. The Permittee must make this inventory available to ADEM upon request.

8. Training for the Permittee's MS4 site inspection staff in the identification of appropriate construction best management practices (Example: QCI training in accordance with ADEM Admin Code. r. 335-6-12 or the Alabama Construction Site General Permit). Applicable MS4 site inspection staff shall be trained once per year;

9. Utilization of a construction site inspection checklist (paper and/or electronic);

10. Implementation of an Enforcement Response Plan (ERP), which sets out the Permittee's potential responses to violations through progressively stricter responses as needed to achieve compliance. The ERP must include a system for tracking formal actions and ADEM referrals. Types of enforcement actions may include, but not limited to, the following:

    a. Verbal Warnings—Verbal warnings are primarily consultative in nature and must specify the nature of the violation and required corrective action;
    b. Written Notices—Written Notices must stipulate the nature of the violation and the required corrective action, with deadlines for taking such action; and
    c. Escalated Enforcement Measures—Citations, stop work orders, withholding plan approvals/authorizations, monetary penalties, or additional measures to address persistent non-compliance, repeat or escalating violations or incidents of major environmental harm;

11. A program to make available a list of education and training materials and resources to construction site operators in the appropriate application and maintenance of erosion and sediment controls; and

12. The Permittee shall post on its website the ordinance or other regulatory mechanism required by Part II.B.4.a.2.

b. The Permittee shall include within the SWMPP the following information:

    1. A copy of the ordinance or other regulatory mechanism or a hyperlink for the ordinance or regulatory mechanism location on the Permittee's website as required by Part II.B.4.a.2;

2. Procedures for site plan reviews required by Part II.B.4.a.4;

3. A construction site inspection schedule meeting the requirements of Part II.B.4.a.6;

4. Training of MS4 site inspection staff as required by Part II.B.4.a.8;

5. A copy of the construction site inspection checklist and/or screenshot of the electronic checklist as required by Part II.B.4.a.9;

6. The ERP as required by Part II.B.4.a.10; and

7. Procedures and schedule for making available a list of education and training materials and resources to construction site operators in the appropriate application and maintenance of erosion and sediment controls required by Part II.B.4.a.11.

c. The Permittee shall report each year in the Annual Report the following information:

1. A description of any completed or planned revisions to the ordinance or regulatory mechanism required by Part II.B.4.a.2. and include the most recent copy (or hyperlink to the most recent copy) on the Permittee's website;

2. List of all active qualifying construction sites within the MS4 to include the inspections as required by Part II.B.4.a.6 and the inventory as required by Part II.B.4.a.7; and

3. A summary of the following:

a. Number of construction site inspections;
b. Number of formal enforcement actions and description of violation;
c. Number of construction site runoff complaints received; and
d. Number of staff trained.

d. The Permittee shall maintain the following information and make it available upon request:

1. Documentation of all inspections conducted of qualifying construction sites. The inspection documentation shall include, at a minimum, the following:

a. Facility type;
b. Inspection date;
c. Name and signature of inspector;
d. Location of construction site;
e. Owner/operator information (name, address, phone number, fax, and email);
f. Description of the condition of stormwater BMPs that may include, but not limited to, the quality of vegetation and soils, inlet and outlet channels and structures, embankments, slopes, safety benches; spillways, weirs, and other control structures; sediment and debris accumulation in storage and forebay areas as well as in and around inlet and outlet structures; and
g. Photographic documentation of all critical stormwater BMP components.

2. Documentation of enforcement actions taken at construction sites to include, at a minimum, the following:

    a. Name of owner/operator;
    b. Location of construction site;
    c. Description of violation;
    d. Required schedule for returning to compliance;
    e. Description of enforcement response used, including escalated responses if repeat violations occur;
    f. Accompanying documentation of enforcement responses (e.g. notices of non-compliance, notices of violations, etc.); and
    g. Any referrals to different Departments or Agencies.

3. Inventory of all completed qualified constructions sites to include, at a minimum, the following:

    a. Name of owner/operator;
    b. Owner/operator information (address, phone number, fax, and email); and
    c. Location of the construction site

4. Records of public complaints including:

    a. Date, time, and description of the complaint;
    b. Location of subject construction sites; and
    c. Identification of any actions taken (e.g. inspections, enforcement, corrections). Identifying information must be sufficient to cross-reference inspection and enforcement records.

5. Educational and Training Documentation for Construction Site Operators

    a. List of education and training materials and resources.

5. Post-Construction Stormwater Management in New Development and Re-Development

The Permittee must further develop, revise, and implement a program to address the discharge of pollutants in post-construction stormwater runoff to the MS4 from new development and re-development. Post-Construction Stormwater Management refers to the activities that take place after construction occurs and includes structural and non-structural controls including low-impact development and green infrastructure (LID/GI) practices to obtain permanent stormwater management over the life of the property's use. These post-construction controls shall be considered during the initial site development phase.

a. The Permittee shall develop, update, and implement project review and enforcement procedures for qualifying new development and redevelopment projects, to the maximum extent practicable. This program shall ensure that controls are in place to prevent or minimize water quality impacts. Specifically, the Permittee shall:

    1. Require landowners and developers to, the MEP, implement systems of appropriate structural and/or non-structural BMPs designed to reduce the discharge of pollutants, which may include, but not limited to, the following:

        a. Minimizing the amount of new impervious surfaces (roads, parking lots, roofs, etc.);

b. Preserving and protecting ecologically sensitive areas that provide water quality benefits;
c. Providing vegetated buffers along waterways, and reduce discharges to surface waters from impervious surfaces such as parking lots;
d. Implementing policies to protect trees, native soils, and other vegetation; and
e. Minimizing topsoil stripping and compacted soils where feasible.

2. Require landowners and developers to develop and maintain Best Management Practices to ensure, to the MEP, that post-construction runoff mimics pre-construction hydrology of the site. The Permittee shall require at a minimum, one or more of the following, as applicable:

   a. A 1.1-inch rainfall over a 24-hour period preceded by a 72-hour antecedent dry period shall be the basis for the design and implementation of post construction BMPs; and

   b. Redevelopment of previously developed sites with existing services and infrastructure in place can pose (in some cases) problems (or difficulties or issues or challenges) in fully implementing the post construction requirements. Some problems noted can include but is not limited to space constraints, elevation not feasible for certain BMPs especially when needing to tie in to existing BMPs, presence of underground utilities, incompatible surroundings, highly compacted soils that are not suitable for infiltration, contaminated soils that require mitigation, etc. These problems typically occur in older or previously built out areas of an MS4. If problems are identified such as the ones listed (or others not listed) for a redevelopment project or site, then the Permittee, to the MEP, shall require documentation and development of an alternate basis for design (design criteria) for the redevelopment project or site. This alternate design criteria shall consider all structural, non-structural, traditional, and non-traditional BMPs including LID/GI and shall focus on correcting existing problems (if applicable) and reducing impacts of stormwater runoff including pollutant loadings/discharges (if applicable). The Permittee shall require the following documentation:

      i. Name and location of redevelopment project or site;
      ii. Problem(s) identified;
      iii. Alternate design criteria selected and discussion of how alternate design criteria is developed;
      iv. Evaluate all structural, non-structural, traditional, or non-traditional BMPs considered including LID/GI;
      v. Include the reason(s) as to why a BMP was selected or not selected for the redevelopment project or site.
      vi. Annual re-evaluation of the redevelopment project or site to ensure that newer technologies or practices available would or would not be a more effective BMP(s) than the BMP(s) in place.

3. Encourage landowners and developers to incorporate, where feasible, the use of Low Impact Development (LID)/Green Infrastructure (GI) which infiltrate, evapotranspire, harvest, or reuse stormwater. Information on Low Impact Development (LID)/Green Infrastructure (GI) is available on the following website:
   http://www.adem.alabama.gov/programs/water/waterforms/LIDHandbook.pdf
   and http://www.epa.gov/nps/lid. The Permittee shall include a narrative

description in the SWMPP as to the means taken to implement the requirement to encourage landowners and developers to incorporate the use of Low Impact Development (LID)/Green Infrastructure (GI);

4. To the extent allowed under State law, adopt or amend an ordinance or other regulatory mechanism to ensure the applicability and enforceability of post-construction BMPs at qualifying new development and redevelopment projects. The ordinance or regulatory mechanism shall be posted on the Permittee's website;

5. Require the submittal of a post-construction BMP plan, for review, as outlined in the SWMPP. The post-construction BMP plan review process may be integrated with the construction plan review process under Section II.B.4.a.4;

6. Require the submittal of 'as built' certification within 120 days of completion of project;

7. Perform and/or require the performance of annual, at a minimum, post-construction inspections to ensure that design standards are being met. The Permittee shall document its post-construction inspection. Such documentation shall include, at a minimum:

    a. Facility type;
    b. Inspection date;
    c. Name and signature of inspector;
    d. Site location;
    e. Owner information (name, address, phone number, fax, and email);
    f. Description of the stormwater BMP condition that may include, but not limited to, the quality of vegetation and soils, inlet and outlet channels and structures, embankments, slopes, safety benches, spillways, weirs, and other control structures, sediment and debris accumulation in storage and forebay areas as well as in and around inlet and outlet structures;
    g. Photographic documentation of all critical stormwater BMP components;
    h. Specific maintenance items or violations that need to be corrected by the owner/operator of the stormwater control or BMP; and
    i. Maintenance agreements for long-term BMP operations and maintenance.

8. The Permittee shall maintain or require the developer/owner/operator to keep records of post-construction inspections, maintenance activities and make them available to the Department upon request and require corrective actions to poorly functioning or inadequately maintained post-construction BMPs; and

9. The Permittee shall require and/or perform adequate long-term operation and maintenance of post-construction BMPs, including one or more of the following, as applicable:

    a. The developer's signed statement accepting responsibility for maintenance until the maintenance responsibility is legally transferred to another party; and/or
    b. Written conditions in the sales or lease agreement that require the recipient to assume responsibility for maintenance; and/or
    c. Written conditions in project conditions, covenants and restrictions for residential properties assigning maintenance responsibilities to a

homeowner's association, or other appropriate group, for maintenance of structural and treatment control management practices; and/or

d. Any other legally enforceable agreement that assigns permanent responsibility for maintenance of structural or treatment control management practices.

b. The Permittee shall include within the SWMPP the following information:

1. Copies of the ordinance or other regulatory mechanism or hyperlink for the ordinance or regulatory mechanism location on the Permittee's website as required by Part II.B.5.a.4;

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

3. Procedures to develop, implement, and enforce performance standards;

4. Procedures and schedule for development of Low-Impact Development (LID)/Green Infrastructure (GI)standards;

5. Procedures to ensure compliance with the ordinance or regulatory mechanism, including the sanctions and enforcement mechanisms the Permittee will use to ensure compliance;

6. Procedures for post-construction inspections, to include tracking and enforcement;

7. Procedures to ensure adequate long-term operation and maintenance of BMPs; and

8. Development of an inventory of post-construction structural controls. This inventory shall be updated annually, as needed.

c. The Permittee shall report each year in the Annual Report the following information:

1. Provide a hyperlink for the ordinance or regulatory mechanism location on the Permittee's website;

2. A list of the post-construction structural controls installed and inspected during the permit year. The list shall include which post-construction structural controls installed are considered Low Impact Development (LID)/ Green Infrastructure (GI), if applicable;

3. Updated inventory of post-construction structural controls including those owned by the Permittee;

4. Number of inspections performed on post-construction structural controls; and

5. Summary of enforcement actions, if applicable.

6. **Spill Prevention and Response**

a. The Permittee shall further develop, revise, and implement a program to prevent, contain, and respond to spills that may discharge into the MS4. The Permittee must, at a minimum:

1. Investigate, respond, and conduct response actions or coordinate with other agencies that may provide response actions as outlined in the SWMPP;

2. Track spills, response, and cleanup activities for reportable spills that may discharge to the MS4;

3. Use GIS or acceptable mapping scheme to identify spill locations, locations for inspections, and chronic problem areas;

4. Implement a spill prevention/spill response plan;

5. Provide training annually, at a minimum, of appropriate personnel in spill prevention and response procedures and techniques to mitigate pollutant discharges from spills to the MS4;

6. Establish procedures to ensure that all spills can be promptly reported to appropriate authority; and

7. During the permit cycle, review any existing City Hazardous Material Contingency Plan and supplement wherever needed to address discharges to the MS4.

b. The Permittee shall include within the SWMPP the following information:

1. List of agencies that the Permittee may coordinate response actions with regarding spills as required by Part II.B.6.a.1;

2. The spill prevention/spill response plan as required by Part II.B.6.a.4; and

3. Procedures to provide training, at a minimum, of personnel in spill prevention and response.

c. The Permittee shall report each year in the Annual Report the following information:

1. Summary of spills occurring during the reporting year, to include the following, at a minimum:
    a. Location;
    b. Spill Substance (i.e., fuel, oil, etc.);
    c. Photographs (spill and after clean-up, if allowed); and
    d. Incident dates and time to resolution, including any enforcement actions taken and their result.

2. Documentation of employee training as required by Part II.B.6.a.5 shall be kept on file and available when requested by the Department:
    a. Description of the training curriculum or materials used; and
    b. Dated records of attendance.

7. **Pollution Prevention/Good Housekeeping for Municipal Operations**

a. The Permittee shall re-evaluate, revise, implement, and maintain a program that will prevent or reduce the discharge of pollutants in stormwater run-off from municipal operations to the MEP. The program elements shall include, at a minimum, the following:

1. An inventory (to include name and location) of all municipal facilities. Evaluate and determine which municipal facilities have the potential to discharge pollutants via stormwater runoff;

2. Develop and implement a short- and long-term strategy and program for the prevention and removal of trash from entering into the waterways and tributaries from the MS4 within the permitted area in such a manner as to estimate the removal of trash per year, which shall be included in the Annual Report. If a BMP is determined to be ineffective or infeasible, then an alternate BMP must be implemented. This program shall be outlined within the Permittee's SWMPP and must be updated as necessary. This program shall address the following, at a minimum:

a. Arrangement for temporary protection of preventative measures to the catch basins, where feasible, and provide proper disposal of trash receptacles, clean-up of catch basins, as needed, and grounds of the event area within one business day subsequent to the event;
b. Direct removal of trash from waterbodies, public areas, and right-of-ways, if applicable;
c. Provide and maintain proper trash receptacles, especially within areas identified as high traffic/high trash generated areas and during special events to include timely trash removal;
d. Prevention through disposal alternatives; and
e. Prevention through waste reduction practices, additional enforcement, and/or initiatives.

3. A Standard Operating Procedures (SOP) detailing good housekeeping practices to be employed at municipal facilities (that have the potential to discharge pollutants via stormwater runoff) and during municipal operations that may include, but not limited to, the following:

a. Equipment washing;
b. Street sweeping;
c. Maintenance of municipal roads including public streets, roads and highways, and unpaved roads, owned, operated, or under the responsibility of the Permittee;
d. Storage, use, and disposal of chemicals, Pesticides, Herbicides, Fertilizers (PHFs), and waste materials;
e. Vegetation control, cutting, removal, and disposal of the cuttings;
f. Vehicle fleets/equipment maintenance and repair;
g. External building maintenance; and
h. Materials storage facilities and storage yards.

4. A program for inspecting municipal facilities at a minimum of annually, to include municipal maintenance shops and equipment yards, for good housekeeping practices, including BMPs. The program shall include checklists and procedures for correcting noted deficiencies;

5. A training program for municipal facility staff in good housekeeping practices as outlined in the SOP developed pursuant to Part II.B.7.a.3. The training shall be provided to municipal facility staff at a minimum of annually; and

6. The Permittee shall assess the water quality impacts for those flood management projects owned, operated, or the responsibility of the Permittee. The feasibility of retrofitting existing structural control devised to provide additional pollutant removal from the stormwater shall be evaluated.

b. The Permittee shall include within the SWMPP the following information:

1. The inventory of municipal facilities required by Part II.B.7.a.1;

2. Evaluate and include a discussion of how effectiveness is measured for Part II.B.7.a.2.

3. A list of SOPs for good housekeeping practices required by Part II.B.7.a.3;

4. An inspection plan and schedule (frequency), including checklists and any other materials needed to comply with Part II.B.7.a.4; and

5. A description of the training program and training schedule, including frequency, required by Part II.B.7.a.5.

c. The Permittee shall report each year in the Annual Report the following information:

1. Any updates to the municipal facility inventory;

2. An estimated amount of floatable material collected from the MS4 as required by Part II.B.7.a.2;

3. Any updates to the inspection plan;

4. Any updates to the SOP of good housekeeping practices;

5. Summary of inspection reports of municipal facilities; and

6. Results of the evaluation of the effectiveness of the Pollution Prevention/Good Housekeeping program.

d. The Permittee shall maintain the following information and make it available upon request:

1. Records of inspections and corrective actions, if any; and

2. Training records including the dates of each training activities and names of personnel in attendance.

8. **Application of Pesticide, Herbicide, and Fertilizers (PHFs)**

a. For the *Application of Pesticide, Herbicide, and Fertilizers* (PHFs), the Permittee shall implement controls to reduce, to the MEP, the discharge of pollutants from the MS4 related to the storage and application of PHFs applied by employees or contractors, to public rights-of-way, parks, and other public property. The Permittee shall implement programs

to encourage the reduction of the discharge of pollutants related to application and distribution of PHFs. For those controls implemented, the Permittee will obtain coverage and maintain compliance with ADEM NPDES Pesticide General Permit ALG870000, if applicable, or other applicable NPDES permits. In addition, the Permittee shall address priorities within the SWMPP to include the following, at a minimum:

1. Identify all areas known to receive high applications of PHFs, develop a program to detect improper usage, and prioritize problem areas;

2. Require evidence of proper certification and licensing for all applicators contracted to apply pesticides or herbicides on municipal property; require that applicators contracted to apply fertilizer are qualified in utilizing proper nutrient management practices;

3. Maintain an inventory of on-hand PHFs with information about the formulations of various products, including how to recognize the chemical constituents from the label, their respective uses, directions, and precautions for applicators that explain if products should be diluted, mixed or only used alone, and proper storage of products;

4. Equipment use and maintenance;

5. Training in safe use, storage, and disposal of PHFs;

6. Annual inspection and monitoring of facilities where PHFs are stored; and

7. Record keeping.

b. The Permittee shall report each year in the Annual Report the following information:

1. The areas within the MS4 jurisdiction that received high applications of PHFs;

2. A list of personnel certified and trained on proper PHF application;

3. An inventory of on-hand PHFs; and

4. Inspections of the facilities where PHFs are stored.

9. **Oils, Toxics, and Household Hazardous Waste Control**

a. The Permittee shall prohibit to the MEP the discharge or disposal of used motor vehicle fluids and household hazardous wastes into the MS4. Specific activities to be completed under this item are:

1. Make available material educating the public about used oil facility locations, hotline numbers, and alternatives to toxic materials;

2. Annual, at a minimum, inspections of municipal maintenance shops and equipment yards;

3. Advertise the location of used oil collection facilities; and

4. Provide employee training, at a minimum of annually, on spill prevention at all municipal facilities where oils or toxic materials are used.

b. The Permittee shall include within the SWMPP the following information:

1. Procedures to further develop, revise, implement, and enforce a program for oils, toxics, and household hazardous waste control to include educational information and employee training.

c. The Permittee shall report each year in the Annual Report the following information:

1. Oils, Toxics, and Household Hazardous Waste Control training materials:
    a. Employee training workshops
        i. Dated attendance sheet; and
        ii. Training presentations.
2. Inspection reports of municipal maintenance shops and equipment yards.

10. **Industrial Stormwater Runoff**

a. The Permittee shall implement a program to inspect, monitor, and control pollutants in stormwater runoff to the MS4 from municipal waste landfills, hazardous waste treatment, storage, disposal and recovery facilities, and industrial facilities and high-risk commercial facilities. Facilities to be addressed under this program include: facilities that have reported under the requirements of the Emergency Planning and Community Right to Know Act (EPCRA) Title III, Section 313; and any other industrial or commercial discharge that the Permittee determines is contributing substantial pollutants loading to the MS4 ("high risk facilities"). The program must provide for, at a minimum:

1. Annual inspections, at a minimum, of municipal waste landfills, hazardous waste treatment, storage, disposal (TSD) and recovery facilities;

2. Annual inspections, at a minimum, of EPCRA Title III, Section 313 facilities that do not have an NPDES permit issued by Department as outlined in the SWMPP;

3. During the permit term, inspections of industrial facilities and high-risk commercial facilities that do not have a NPDES permit issued by the Department as outlined in the SWMPP, and

4. Data collected by a NPDES permitted facility to satisfy the monitoring requirements of an NPDES, State, land application, or local pretreatment discharge permit may be used to satisfy Part II.B.10.a of the Permit. The Permittee may require the industrial facility to conduct self-monitoring to satisfy this requirement, if necessary.

5. Within 365 days of the effective date of this permit, provide training for personnel conducting inspections as required in Part II.B.10.a.1. and Part II.B.10.a.2. The training frequency shall be specified in the SWMPP.

b. The Permittee shall include in the SWMPP a list of all municipal waste landfills, hazardous waste treatment, storage, disposal and recovery facilities, high risk commercial facilities, and industrial facilities, both NPDES permitted and Emergency Planning and Community Right to Know Act (EPCRA) Title III, Section 313 facilities, within the MS4.

c. The Permittee shall include in the Annual Report a list of the industrial facilities and high-risk commercial facilities inspected and any corrective actions taken, if applicable.

C. Legal Authority

To the extent allowed under State law, the Permittee must annually review and revise, as necessary, its relevant ordinances or other regulatory mechanisms, or adopt any new ordinances that provide it with adequate legal authority to control pollutant discharges into and from its MS4, and to implement and enforce its SWMPP. To be considered adequate, this legal authority must, at a minimum, authorize the Permittee to:

1. Prohibit non-stormwater discharges unless such stormwater discharges are in compliance with a separate NPDES permit, or determined by the Department not to be a significant contributor of pollutants to waters of the State;

2. Prohibit and eliminate illicit connections to the MS4. Illicit connections include pipes, drains, open channels, or other conveyances that have the potential to allow an illicit discharge to enter the MS4;

3. Control the discharge of spills, and prohibit dumping or disposal of materials other than stormwater into the MS4;

4. Require operators of construction sites and industrial and commercial facilities to minimize the discharge of pollutants to the MS4 to the maximum extent practicable through the installation, implementation, and maintenance of appropriate controls including installation, implementation, and long-term maintenance of post-construction controls;
5. Request information to determine compliance with ordinances or other regulatory mechanism;

6. Enter private property for the purpose of inspecting and monitoring at reasonable times any facilities, equipment, practices, or operations for active or potential polluted stormwater discharges to the MS4;

7. Promptly require that dischargers cease and desist discharging and/or clean-up and abate a discharge;

8. Levy citations or administrative fines against responsible parties to include but not limited to non-compliant construction sites;

9. Require recovery and remediation costs from responsible parties; and

10. Provide the authority to enter into interagency agreements with other entities for the purpose of controlling the contribution of pollutants to the maximum extent practicable from one MS4 to another MS4.

D. SWMPP Plan Review and Modification

1. The Permittee shall submit to the Department within nine (9) months of the effective date of this permit a revised SWMPP. The Permittee shall implement plans to seek

and consider public input in the development, revision, and implementation of this SWMPP, as required by Part II.B.2.b.1. Thereafter, the Permittee shall perform an annual review, at a minimum, of the current SWMPP and must modify the SWMPP, as necessary, to maintain compliance with the permit. Any modifications to the SWMPP shall be submitted to the Department and the Permittee's website shall be updated with the revised version of the SWMPP.

2. The Permittee may modify the SWMPP at any time during the life of the permit. Any modifications must be submitted to the Department at the time of the modification and shall be included in the subsequent Annual Report. Modifications made to the SWMPP may include, but are not limited to, the replacement of ineffective or infeasible BMPs or the addition of components, controls, and requirements.

3. The Permittee shall implement the SWMPP on all new areas added to their municipal separate storm sewer system (or for which they become responsible for implementation of storm water quality controls) as soon as practicable, but not later than one (1) year from addition of new areas. Implementation of the program in any new area shall consider the plans of the SWMPP of the previous MS4 ownership, if any.

E. Impaired Waters and Total Maximum Daily Loads (TMDLs)

1. The Permittee must determine whether the discharge from any part of the MS4 contributes directly or indirectly to a waterbody that is included on the latest §303(d) list or designated by the Department as impaired or is included in an EPA-approved or EPA-established TMDL.

2. If the Permittee's MS4 discharges to a waterbody included on the latest §303(d) or designated by the Department as impaired, it must demonstrate the discharges, as controlled by the Permittee, do not cause or contribute to the impairment. The SWMPP must detail the BMPs that are being utilized to control discharges of pollutants associated with the impairment. If existing BMPs are not sufficient to achieve this demonstration, the Permittee must, within six (6) months following the publication of the latest final §303(d) list, Department designation, or the effective date of this permit, submit a revised SWMPP detailing new or modified BMPs. The SWMPP must be revised as directed by the Department and the new or modified BMPs must be implemented within one year from the publication of the latest final §303(d) list or Department designation.

3. Permittees discharging from MS4s into waters with EPA-Approved TMDLs and/or EPA-Established TMDLs

    a. The Permittee must determine whether its MS4 discharges to a waterbody for which a Total Maximum Daily Load (TMDL) has been established or approved by EPA for which the Permittee has determined to contribute to the waterbody's impairment. If an MS4 discharges into a water body with an EPA approved or established TMDL, then the SWMPP must include BMPs targeted to meet the assumptions and requirements of the TMDL. If additional BMPs will be necessary to meet the requirements of the TMDL, the SWMPP must include a schedule for installation and/or implementation of such BMPs. A monitoring component to assess the effectiveness of the BMPs in achieving the TMDL requirements must also be included in the SWMPP. Monitoring can entail a number of activities including, but not limited to: outfall monitoring, in-stream monitoring, and/or modeling.

Monitoring data, along with an analysis of this data, shall be included in the Annual Report.

b. If, during this permit cycle, a TMDL is approved by EPA or a TMDL is established by EPA for any waterbody into which an MS4 discharges, the Permittee must review the applicable TMDL to see if it includes requirements for control of stormwater discharges from the MS4.

1. If it is found that the Permittee must implement specific allocations of the TMDL, it must assess whether the assumptions and requirements of the TMDL are being met through implementation of existing BMPs or if additional BMPs are necessary. The SWMPP must include BMPs targeted to meet the assumptions and requirements of the TMDL.

2. If existing BMPs are not sufficient, the Permittee must, within six (6) months following the approval or establishment of the TMDL by EPA, submit a revised SWMPP detailing new or modified BMPs to be utilized along with a schedule of installation and/or implementation of such BMPs. Any new or modified BMPs must be implemented within one year, unless an alternate date is approved by the Department, from the establishment or approval of the TMDL by EPA. A monitoring component to assess the effectiveness of the BMPs in achieving the TMDL requirements must also be included in the SWMPP. Monitoring can entail a number of activities including, but not limited to outfall monitoring, in-stream monitoring, and/or modeling. Monitoring data, along with an analysis of this data, shall be included in the Annual Report.

F. Responsibilities of Permittee

If the Permittee is relying on another entity to satisfy one or more requirements of this permit, then the Permittee must note that fact in the SWMPP. The Permittee remains responsible for compliance with the permit and reliance on another entity will not be a defense or justification for non-compliance if the entity fails to implement the permit requirements.

PART III Wet-Weather Monitoring and Reporting

The Permittee shall implement a monitoring program to provide data necessary to assess the effectiveness and adequacy of BMPs implemented under the SWMPP. The quality of the streams receiving MS4 discharges shall continue to be monitored to assess the water quality of the streams and to identify potential water quality impairments. This shall be accomplished by the following:

A. Monitoring Locations

1. Proposed monitoring locations and descriptions of their respective characteristics shall be described in the SWPPP with actual locations described in the Annual Report;

Waterbody	Frequency
Buck Creek (Multiple locations)	Quarterly

2. In addition to the requirements in Part III.A.1., if a waterbody (not listed in Part III.A.1) within the MS4 jurisdiction is listed on the latest final §303(d) list, or otherwise designated impaired by the Department, or for which a TMDL is approved or established by EPA, during this permit cycle, then the Permittee must revise its monitoring program to include monitoring that addresses the impairment or TMDL. Any revisions to the monitoring program shall be documented in the SWMPP and Annual Report. In addition, the permit may be modified by the Department to establish the additional or revised monitoring locations.

B. Monitoring Parameters and Frequency

1. Grab samples shall be collected at least semi-annually at each instream monitoring station and analyzed for the following parameters:

    a. Temperature;
    b. pH/ORP;
    c. Turbidity (NTU);
    d. Conductivity;
    e. Dissolved Oxygen (mg/l);
    f. Ammonia Nitrogen (NH_3-N) (mg/l);
    g. Biochemical Oxygen Demand (BOD) (mg/l);
    h. Chemical Oxygen Demand (COD) (mg/l);
    i. E.coli;
    j. Fecal Coliform;
    k. Hardness as $CaCO_3$ (mg/l);
    l. Nitrate plus Nitrite Nitrogen (NO_3+NO_2-N) (mg/l);
    m. Oil and Grease (mg/l);
    n. Total Dissolved Solids (TDS) (mg/l);
    o. Total Kjeldahl Nitrogen (TKN) (mg/l);
    p. Total Nitrogen (TN) (mg/l);
    q. Total Phosphorus (mg/l);
    r. Total Suspended Solids (TSS) (mg/l); and

2. The Permittee must include in the instream monitoring program any additional parameters attributed with the latest final §303(d) list or otherwise designated by the Department as impaired or are included in an EPA-approved or EPA-established TMDL.

C. Sample Type, Collection and Analysis

1. Grab samples taken within the first two (2) hours of discharge shall be used for the analysis;

2. Grab samples shall be collected resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1-inch rainfall) storm event;

3. Analysis and collection of grab samples shall be done in accordance with the methods specified at 40 CFR Part 136. Where an approved 40 CFR Part 136 does not exist, then a Department approved alternative method may be used;

4. If the Permittee is unable to collect water quality data at an instream monitoring station due to equipment malfunction, maintenance, and/or damage, the Permittee must include a description

of why water quality data could not be collected, including available documentation in the Annual Report;

5. If the Permittee is unable to collect grab samples due to adverse conditions, the Permittee must submit a description of why samples could not be collected, including available documentation of the event. An adverse climatic condition which may prohibit the collection of samples includes weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.); and

6. Monitoring results must be reported with the subsequent annual report and shall include the following monitoring information:
   a. The date, latitude/longitude of location, and time of sampling;
   b. The name(s) of the individual(s) who performed the sampling;
   c. The date(s) analysis was performed;
   d. The name(s) of individual(s) who performed the analysis;
   e. The analytical techniques or methods used; and
   f. The results of such analysis.

PART IV Annual Reporting Requirements

1. The Permittee shall submit to the Department an annual report and all other documents via the Alabama Environmental Permitting and Compliance System (AEPACS) system no later than January 31 of each year. The annual report shall cover the previous fiscal year beginning October 1 through September 30, and annually thereafter.

2. The Permittee shall sign and certify the annual report in accordance with Part V.K. If the Responsible Official has designated a duly authorized representative in accordance with Part V.K, to sign the annual report, then include a copy of the written designation with the annual report.

3. The annual report shall include the following information, at a minimum, and in addition to those requirements referenced in Part II.B and Part III:

   a. A list of contacts and responsible parties (e.g.: agency, name, phone number, address, & email address) who had input to and are responsible for the preparation of the annual report;

   b. An overall evaluation of the Storm Water Management Program developments and progress for the following:

      1. Major findings such as water quality improvements or degradation;
      2. Major accomplishments;
      3. Overall program strengths/weaknesses;
      4. Future direction of the program;
      5. The Permittee(s) will make an overall determination of the effectiveness of the SWMPP taking into account water quality/watershed improvements;
      6. Required actions that were not performed, and reasons why the actions were not accomplished; and
      7. If monitoring is required, evaluation of the monitoring data.

c. The annual report will include a narrative report of all program elements referenced in Part II.B of this permit. The activities concerning a program element shall be discussed as follows:

1. Program element activities completed and in progress;
2. General discussion of element. Explanation for all element activities that have not been fully implemented or competed. Results of activities shall be summarized and discussed (e.g.: maintenance caused by inspection, pollutants detected by monitoring, investigations as a result of dry and wet weather screening, number and nature of enforcement item, education activities/participation);
3. Status of program element with compliance, implementation, and augmentation schedules in Part II of the permit;
4. Assessment of controls; and
5. Discussion of proposed element revisions.

d. Notice of reliance on an another entity to satisfy some of the permit obligations;

e. Results of the evaluation to determine whether discharges from any part of the MS4 contributes directly or indirectly to a waterbody that is included on the §303(d) list (or designated by the Department as impaired) or for which a TMDL has been established or approved by EPA;

f. The annual report shall contain a monitoring section which discusses the progress and results of the monitoring programs required under Part III of the permit and shall include, at a minimum, the following information.

1. Status of implementation of the monitoring program;
2. Map(s) showing the monitoring station locations, latitude/longitude, and narrative site descriptions, including watershed size;
3. Raw data, results, methods of evaluating the data, graphical summaries of the data, and an explanation/discussion of the data for each component of the monitoring program;
4. An analysis of the results of each monitoring program component;
5. A comparison of the reporting year's data to the previous five (5) years of data to establish a trend analysis to determine the relative health of the receiving water;
6. All monitoring reports and supporting data shall be submitted electronically via the AEPACS system concurrently with the submission of the Annual Report. Failure to provide this data in a format appropriate to the Department for review shall be a violation of this permit; and
7. The interpretation of the analytical data, required by Part III.B.1-2 of the Permit, for determinacy of meeting water quality standards.

g. Provide the status of the implementation and proposed changes to the SWMPP to include assessment of controls and specific improvements or degradation to water quality;

h. Provide a summary of inspections and enforcement actions for regulatory program. Enforcement actions should include a corrective actions summary;

i. Implementation status of the public education programs; and

j. Status of expenditures and budget for the past fiscal year and the next fiscal year for the Permittee's program. The analysis shall indicate budgets and funding sources.

PART V Standard and General Permit Conditions

A. Certification and Signature of Reports

All reports required by the permit and other information requested by the Director shall be signed and certified in accordance with Part V.K. of this permit.

B. Submittals

All documents required to be submitted to the Department by this permit, shall be addressed to:

Alabama Department of Environmental Management
Stormwater Management Branch, Water Division
Post Office Box 301463
Montgomery, Alabama 36130-1463

Certified and Registered Mail shall be addressed to:

Alabama Department of Environmental Management
Stormwater Management Branch, Water Division
1400 Coliseum Blvd
Montgomery, Alabama 36110-2059

C. Retention of Records

The Permittee shall retain the stormwater quality management program developed in accordance with Part II of this permit until at least five (5) years after coverage under this permit terminates. The Permittee shall retain all records of monitoring information, copies of all reports required by this permit, and records required by this permit, and records of all other data required by or used to demonstrate compliance with this permit, until at least three (3) years after coverage under this permit terminates. This period may be explicitly modified by alternative provisions of this permit or extended by request of the Director at any time.

D. Duty to Comply

The Permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

E. Civil and Criminal Liability

1. Tampering

   Any person, who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained or performed under this permit shall, upon conviction, be subject to penalties as provided by AWPCA.

2. False Statements

Any person knowingly makes any false statement, representation, or certification in any record or other documentation submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance, shall, upon conviction, be punished as provided by AWPCA

3. Relief from Liability

Nothing in this permit shall be construed to relieve the Permittee(s) of civil and criminal liability under AWPCA or FWPCA for non-compliance with any term or condition of this permit.

F. Duty to Reapply

1. If the Permittee intends to continue an activity regulated by this permit beyond the expiration of this permit, the Permittee must apply for and obtain a new permit. The application shall be submitted at least 180 days prior to expiration of this permit.

2. Failure of the Permittee to apply for re-issuance at least 180 days prior to permit expiration will void the automatic continuation of the expiring permit provided by ADEM Administrative Code, Rule 335-6-6.-06, and should the permit not be re-issued for any reason any discharge after expiration of this permit will be an unpermitted discharge.

G. Need to Halt or Reduce an Activity Not a Defense

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

H. Duty to Mitigate

The Permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human or the environment.

I. Bypass

a. Any bypass as defined in 40 CFR 122.41(m) is prohibited except as provided in Part V.I.b. and c.

b. A bypass is not prohibited if:

1. It does not cause any applicable discharge limitation, if specified in this Permit, to be exceeded;

2. The discharge resulting from such bypass enters the same receiving water as the discharge from the permitted outfall, if applicable;

3. It is necessary for essential maintenance of a treatment or control facility or system to assure efficient operation of such facility or system, if applicable; and

4. The Permittee monitors the discharge resulting from such bypass at a frequency, at least daily, sufficient to prove compliance with the discharge limitations, if specified in this Permit.

c. A bypass is not prohibited and need not meet the discharge limitations, if specified in this Permit, if:

1. It is unavoidable to prevent loss of life, personal injury, or severe property damage;

2. There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if the Permittee could have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

3. The Permittee submits a written request for authorization to bypass to the Director at least ten (10) days, if possible, prior to the anticipated bypass or within 24 hours of an unanticipated bypass, the Permittee is granted such authorization, and Permittee complies with any conditions imposed by the Director to minimize any adverse impact to waters resulting from the bypass.

d. The Permittee has the burden of establishing that each of the conditions of Parts V.I.b. or c. have been met to qualify for an exception to the general prohibition against bypassing contained in Part V.I.a. and an exemption, where applicable, from the discharge limitations, if specified in this Permit.

J. Upset

a. Except as provided in Part V.I.b. and c., a discharge which results from an upset as defined in 40 CFR 122.41(n) need not meet the applicable discharge limitations, if specified in this Permit, if:

1. No later than 24-hours after becoming aware of the occurrence of the upset, the Permittee orally reports the occurrence and circumstances of the upset to the Director; and

2. No later than five (5) days after becoming aware of the occurrence of the upset, the Permittee furnishes the Director with evidence, including properly signed, contemporaneous operating logs, design drawings, construction certification, maintenance records, weir flow measurements, dated photographs, rain gauge measurements, or other relevant evidence, demonstrating that:

i. An upset occurred;

ii. The Permittee can identify the specific cause(s) of the upset;

iii. The Permittee's treatment facility was being properly operated at the time of the upset; and

iv. The Permittee promptly took all reasonable steps to minimize any adverse impact to waters resulting from the upset.

b. The Permittee has the burden of establishing that each of the conditions of Part V.J.a. has been met to qualify for an exemption from the discharge limitations, if specified in this Permit.

K. Duty to Provide Information

The Permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, suspending, or revoking this permit in whole or in part, or to determine compliance with this permit. The Permittee shall also furnish to the Director upon request copies of records required to be kept by this permit.

L. Other Information

If the Permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information with a written explanation for the mistake and/or omission.

M. Signatory Requirements

All reports and forms to be submitted by this permit, AWPCA and the Department's rules and regulations, shall be signed by a "responsible official" of the Permittee, as defined in ADEM Administrative Code, Rule 335-6-6-.09, or a "duly authorized representative" of such official, as defined by ADEM Administrative Code, Rule 335-6-6-.09, and shall bear the following certification:

"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."

N. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties to which the Permittee is or may be subject under Section 311 of FWPCA.

O. Property and Other Rights

This permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to persons or property or invasion of other private rights, or any infringement of Federal, State, or local laws or regulations, nor does it authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any waters of the State of Alabama.

P. Severability

The provision of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of the permit shall not be affected thereby.

Q. Compliance with Statutes and Rules

This permit is issued under ADEM Administrative Code, Chapter 335-6-6. All provisions of this chapter that are applicable to this permit are hereby made a part of this permit.
This permit does not authorize the non-compliance with or violation of any laws of the State of Alabama or the United States of America or any regulations or rules implementing such laws.

R. Proper Operations and Maintenance

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this permit and with the requirements of stormwater pollution prevention plans. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a Permittee only when necessary to achieve compliance with conditions of the permit.

S. Monitoring Records

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

2. The Permittee shall retain records of all monitoring information including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of reports required by this permit, and records of all data used to complete the application of this permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended at the request of the Director at any time.

T. Monitoring Methods

Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

U. Right of Entry and Inspection

The Permittee shall allow the Director or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:

1. Enter upon any of the Permittee's premises where a regulated facility or activity or point source is located or in which any records must be maintained under conditions of this permit;

2. Have access to and copy, at reasonable times, any records required to be maintained by the terms and conditions of this permit;

3. Inspect, at reasonable times, any point source, any monitoring equipment or practices being maintained to comply with this permit, or any treatment or control or systems being maintained to comply with this permit; and

4. Sample or monitor, at reasonable times, for the purposes of determining permit compliance or as otherwise authorized by AWPCA, any substances or parameters at any location.

V. Additional Monitoring by the Permittee

If the Permittee monitors more frequently than required by this permit, using test procedures approved under 40 CFR Part 136 or as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the monitoring report. Such increased monitoring frequency shall also be indicated on the monitoring report.

W. Permit Modification and Revocation

1. This permit may be modified or revoked or reissued, in whole or in part, during its term for cause including but not limited to, the following:

    a. If cause for termination under Part V.W.3., of this permit exists, the Director may choose to revoke or re-issue this permit instead of terminating the permit;

    b. If a request to transfer this permit has been received, the Director may decide to revoke and re-issue or to modify the permit; or

    c. If modification or revocation and re-issuance is requested by the Permittee and cause exists, the Director may grant the request.

2. This permit may be modified during its term for cause, including but not limited to:

    a. If cause for termination under Part V.W.3., of this permit exists, the Director may choose to modify this permit instead of terminating this permit;

    b. The Director has received new information that was not available at the time of permit issuance and that would have justified the application of different permit conditions at the time of issuance;

    c. Errors in calculation of discharge limitation or typographical or clerical errors were made;

    d. To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, when the standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or judicial decision after the permit was issued;

    e. To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, permit may be modified to change compliance schedules;

    f. To incorporate an applicable Section 307(a) of FWPCA toxic effluent standard or prohibition;

    g. When required by the re-opener conditions in this permit;

    h. Upon failure of the State to notify, as required by Section 402(b)(3) of FWPCA, another State whose water may be affected by a discharge permitted by this permit;

    i. When required to correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions;

    j. When requested by the Permittee and the Director determines that the modification has cause and will not result in a violation of federal or State law, rules, or regulations;

    k. To add a new Permittee who is the owner or operator of a portion of the Municipal Separate Storm Sewer System; or

    l. To change portions of the Stormwater Quality Management Program that is considered permit conditions.

3. This permit may be terminated during its term for cause, including but not limited to, the following:

    a. Violation of any term or condition of this permit;

    b. The permittee's misrepresentation or failure to disclose fully all relevant facts in the permit application or during the permit issuance or the permittee's misrepresentation of any relevant facts at any time;

    c. Materially false or inaccurate statements or information in the permit application or the permit;

    d. The permittee's discharge threatens human life or welfare or the maintenance or water quality standards; or

    e. Any other cause allowed by ADEM Administrative Code, Rule 335-6-6.

4. This permit may be suspended during its term for cause, including but not limited to, the reasons for termination listed above.

5. The filing of a request by the Permittee for modification, suspension or revocation of this permit, in whole or in part, does not stay any permit term condition.

X. Termination of Coverage for a Single Permittee

Permit Coverage may be terminated, in accordance with the provision of 30 CFR 122.64 and 124.5, for a single Permittee without terminating coverage for other Permittees.

Y. Modification of Storm Water Management Program

Only those portions of the Storm Water Management Program specifically required as permit conditions shall be subject to modification requirements of 40 CFR 124.5. Replacement of an ineffective or infeasible BMP implementing a required component of the Storm Water Management Program with an alternate BMP expected to achieve the goals of the ineffective or infeasible BMP shall be considered a minor modification to the SWMPP and not modification to the Permit.

Z. Changes in Monitoring Outfalls

This permit is issued on a system-wide basis in accordance with CWA §402(p)(3)(i) and authorizes discharges from all portions of the MS4. Since all outfalls are authorized, changes in monitoring outfalls, other than those with specific numeric effluent limitations, shall be considered minor modifications to the permit and will be made in accordance with the procedures at 40 CFR 122.63.

AA. Definitions

1. "Alabama Handbook" means the July 2018 edition of the Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas, Alabama Soil and Water Conservation Committee (ASWCC) published at the time the permit is effective.

2. "Arithmetic Mean" means the summation of the individual values of any set values divided by the number of individual values.

3. "AWPCA" means Code of Alabama 1975, Title 22, the Alabama Water Pollution Control Act, as amended.

4. "Best Management Practices" (BMPs) means activities, prohibitions of practices, maintenance procedures, and other management practices implemented to prevent or reduce the discharge of pollutants to waters of the State. BMPs also include treatment systems, operating procedures, and practices to control facility runoff, spillage or leaks, sludge or water disposal, or drainage from raw material storage.

5. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.

6. "Control Measure" as used in this permit, refers to any Best Management Practice or other method used to prevent or reduce the discharge of pollutants to waters of the State.

7. "CWA" or "The Act" means the Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub.L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et.seq.

8. "Department" means the Alabama Department of Environmental Management or an authorized representative.

9. "Discharge", when used without a qualifier, refers to "discharge of a pollutant" as defined as ADEM Administrative Code 335-6-6-.02(m).

10. "Flood Management Project" means a project that will alter, modify or change the base flood elevation of a 1% annual chance flood event.

11. "Flow-weighted composite sample" means a composite sample consisting of a mixture of aliquots collected at a constant time interval, where the volume of each aliquot is proportional to the flow rate of the discharge at the time of sampling.

12. "Green Infrastructure" refers to systems and practices that use or mimic natural processes to infiltrate, evapotranspirate (the return of water to the atmosphere either through evaporation or by plants), or reuse stormwater or runoff on the site where it is generated.

13. "Hydrology" refers to the physical characteristics of stormwater discharge, including the magnitude, duration, frequency, and timing of discharge.

14. "Illicit connection" means any man-made conveyance connecting a non-stormwater discharge directly to a municipal separate storm sewer system.

15. "Illicit discharge" means any discharge to a municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to a NPDES permit.

16. "Industrial Land Use" means land utilized in connection with manufacturing, processing, or raw materials storage at facilities identified under Alabama State Law.

17. "Infiltration" means water other than wastewater that enters a sewer system, including foundation drains, from the ground through such means as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from, inflow.

18. "Landfill" means an area of land or an excavation in which wastes are placed for permanent disposal, and which is not a land application unit, surface impoundment, injection well, or waste pile.

19. "Large" municipal separate storm sewer system means all municipal separate storm sewers that are either: (i) located in an incorporated place (city) with a population of 250,000 or more as determined by the latest decennial census; or (ii) located in counties (these counties are listed in Appendix H of 40 CFR Part 122, except municipal storm sewers that are located in the incorporated places, townships or towns within such counties; or (iii) owned or operated by a municipality other than those described in Part V.AA.19.(i) or (ii) and that are designated by the Director as part of the large or medium municipal separate storm sewer system; or (iv) the Director may designate as a large municipal separate storm sewer system, municipal separate sewers located within the boundaries of a region defined by a stormwater management regional authority based on a jurisdictional, watershed, or other appropriate basis that includes one or more of the systems described in Part V.19.(i), (ii), or (iii).

20. "Low Impact Development" (LID) is an approach to land development (or re-development) that works with nature to manage stormwater as close to its source as possible. LID employs principles such as preserving and recreating natural landscape features, minimizing effective imperviousness to create functional and appealing site drainage that treat stormwater as a resource rather than a waste product.

21. "Major outfall" is the point(s) where the MS4 discharges to a water of the State from (1) a pipe (or closed conveyance) system with a cross-sectional area equal to or greater than 7.07 square feet (e.g., if a single circular pipe system, an inside diameter of 36 inches or greater),(2) a single conveyance other than a pipe, such as an open channel ditch, which is associated with a drainage area of more than 50 acres,(3) a pipe (or closed conveyance) system draining "industrial land use" with a cross-sectional area equal to or greater than 0.79 square feet (e.g., if a single circular pipe system, an inside diameter of 12 inches or greater),(4) or a single conveyance other than a pipe, such as an open channel ditch, which is associated with an "industrial land use" drainage area of more than 2 acres; For the purpose of this permit, outfalls of the "double barrel" type, whose combined cross-sectional area is greater than 7.07 square feet, equivalent to a single circular pipe outfall with an inside diameter of 36 inches or greater, are also considered major outfalls.

22. "MEP" is an acronym for "Maximum Extent Practicable," the technology-based discharge standards and controls necessary for municipal separate storm sewer systems to reduce pollutants in stormwater discharges that was established by CWA Section 402(p). These standards and controls may consist of a combination of best management practices, control techniques, system design and engineering methods, and such other provisions for the reduction of pollutants discharged from a MS4 as described in the stormwater management system.

23. "Medium" municipal separate storm sewer system means all municipal separate storm sewers that are either: (i) located in an incorporated place (city) with a population of 100,000 or more but less than 250,000 as determined by the latest decennial census; or (ii) located in counties (these counties are listed in Appendix I of 40 CFR Part 122), except municipal storm sewers that are located in the incorporated places, townships or towns within such counties; or (iii) owned or operated by a municipality other than those described in Parts V.AA.23.(i) and (ii) and that are designated by the Director as part of the large or medium municipal separate storm sewer system; or (iv) the Director may designate as a medium municipal separate storm sewer system, municipal storm sewers located within the boundaries of a region defined by a stormwater management regional authority based on a jurisdictional, watershed, or other appropriate basis that includes one or more of the systems as described in Parts VAA.23.(i), (ii), or (iii).

24. "MS4" is an acronym for "Municipal Separate Storm Sewer System" and is used to refer to either a large, medium, or small municipal separate storm sewer system. The term is used to refer to either the system operated by a single entity or a group of systems within an area that are operated by multiple entities.

25. "Municipal Separate Storm System" is defined at 40 CFR Part 122.26(b)(8) and means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the United States; (ii) Designed or used for collecting or conveying stormwater; (iii) Which is not a combined sewer; and (iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined in ADEM Administrative Code335-6-6-.02(nn).

26. "Permittee" means each individual co-applicant for an NPDES permit who is only responsible for permit conditions relating to the discharge that they own or operate.

27. "Point Source" means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff.

28. "Priority Construction Site" means any qualifying construction site in an area where the MS4 discharges to a waterbody which is listed on the most recently approved 303(d) list of impaired waters for turbidity, siltation, or sedimentation, any waterbody for which a TMDL has been finalized or approved by EPA for turbidity, siltation or sedimentation, any waterbody assigned the Outstanding Alabama Water use classification in accordance with ADEM Admin. Code r. 335-6-10-.09, and any waterbody assigned a special designation in accordance with 335-6-10-.10.

29. "Qualifying Construction Site" means any construction activity that results in a total land disturbance of one or more acres and activities that disturb less than one acre but are part of a larger common plan of development or sale that would disturb one or more acres. Qualifying construction sites do not include land disturbance conducted by entities under the jurisdiction and supervision of the Alabama Public Service Commission.

30. "Qualifying New Development and Redevelopment" means any site where construction commenced on or after November 1, 2016 that results from the disturbance of one acre or more of land or the disturbance of less than one acre of land if part of a larger common plan of development or sale that is greater than one acre. Qualifying new development and redevelopment does not include the following:

    a. Land disturbances conducted by entities under the jurisdiction and supervision of the Alabama Public Service Commission; or
    b. An existing development that has been constructed or approved prior to November 1, 2016.

31. "Stormwater" is defined at 40 CFR Part 122.26(b) (13) and means stormwater runoff, snow melt runoff, and surface runoff and drainage.

32. "Structural Controls" means an engineered BMP constructed with rigid walls and/or weirs and piped drainage that utilize active or passive treatment and/or mechanical systems for the purpose of treating stormwater runoff.

33. "Structural Flood Control" means structural measures that control the 1% annual chance floodwaters by construction of barriers, storage areas or by modifying / redirecting channels.

FACT SHEET

APPLICATION FOR
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PERMIT TO DISCHARGE TO WATERS OF
THE STATE OF ALABAMA
ALABAMA DEPARTMENT OF TRANSPORTATION MS4

Date: August 03, 2021 **Prepared By: Melanie Ratcliffe**

NPDES Permit No. ALS000011

1. **Description of Category:**

This Permit applies to the municipal separate storm sewer (MS4) which is owned, operated and/or maintained by the City of Alabaster that is in the corporate boundaries of the City of Alabaster.

2. **Geographic area covered:**

State of Alabama

3. **Receiving waters:**

Waterbodies within the corporate boundaries of the City of Alabaster.

4. **Types of discharge:**

The permit authorizes all existing or new storm water point source discharges to waterbodies within the corporate boundaries of the City of Alabaster. Discharge of pollutants shall be reduced to the Maximum Extent Practicable (MEP), shall not cause, nor contribute to, violations of Alabama Water Quality Standards, and shall be in compliance with Total Maximum Daily Loads (TMDLs) where applicable.

5. **Permit Conditions:**

The permit conditions are based on 40 CFR 122.26 and ADEM Admin. Code r. 335-6.

6. **Procedures for the formulation of final determinations:**

   a. **Comment Period**

   The Alabama Department of Environmental Management proposes to issue NPDES permit subject to the limitations and special conditions outlined above. This determination is tentative.

   Interested persons are invited to submit written comments on the proposed permit to the following address:

   Jeffery W. Kitchens, Chief
   Water Division
   Alabama Department of Environmental Management
   1400 Coliseum Blvd.
   (Mailing Address: Post Office Box 301463; Zip 36130-1463)
   Montgomery, Alabama 36110-2400
   (334) 271-7823
   water-permits@adem.alabama.gov

   All comments received prior to the closure of the public notice period (see attached public notice) will be considered in the formulation of the final determination with regard to this permit.

b. Public Hearing

A written request for a public hearing may be filed within the public notice period and must state the nature of the issues proposed to be raised in the hearing. A request for a hearing should be filed with the Department at the following address:

Jeffery W. Kitchens, Chief
Water Division
Alabama Department of Environmental Management
1400 Coliseum Blvd.
(Mailing Address: Post Office Box 301463; Zip 36130-1463)
Montgomery, Alabama 36110-2400
(334) 271-7823
water-permits@adem.alabama.gov

The Director shall hold a public hearing whenever it is found, on the basis of hearing requests, that there exists a significant degree of public interest in a permit application or draft permit. The Director may hold a public hearing whenever such a hearing might clarify one or more issues involved in the permit decision. Public notice of such a hearing will be made in accordance with ADEM Admin. Code r. 335-6-6-.21.

c. Issuance of the Permit

All comments received during the public comment period shall be considered in making the final permit decision. At the time that any final permit decision is issued, the Department shall prepare a response to comments in accordance with ADEM Admin. Code r. 335-6-6-.21. **The Permittee's application (fourth year annual report) and the permit record, including the response to comments, will be available to the public via the eFile system (http://app.adem.alabama.gov/eFile/) or an appointment to review the record may be made by writing the Permits and Services Division at the above address.**

Unless a request for a stay of a permit or permit provision is granted by the Environmental Management Commission, the proposed permit contained in the Director's determination shall be issued and effective, and such issuance will be the final administrative action of the Alabama Department of Environmental Management.

d. Appeal Procedures

As allowed under ADEM Admin. Code chap. 335-2-1, any person aggrieved by the Department's final administrative action may file a request for hearing to contest such action. Such requests should be received by the Environmental Management Commission within thirty days of issuance of the permit. Requests should be filed with the Commission at the following address:

Alabama Environmental Management Commission
1400 Coliseum Blvd.
(Mailing Address: Post Office Box 301463; Zip 36130-1463)
Montgomery, Alabama 36110-2400

All requests must be in writing and shall contain the information provided in ADEM Admin. Code r. 335-2-1-.04.

NPDES PERMIT RATIONALE
CITY OF ALABASTER
MS4 NPDES Permit

NPDES Permit No:	**ALS000011**	Date:	August 03, 2021

Permit Applicant: City of Alabaster

Location: This Permit applies to the corporate boundaries of the City of Alabaster.

Draft Permit is:
Initial Issuance:
Reissuance due to expiration: X
Modification of existing permit:
Revocation and Reissuance:

Introduction: This permit requires implementation of the MS4 program under the State and Federal NPDES regulations. The Permittee is currently operating under the MS4 Phase I NPDES Permit ALS000011. The Permittee's application is the fourth year MS4 Annual Report and can be found on ADEM's FileNet system called eFile (http://app.adem.alabama.gov/eFile/) under the Permittee's NPDES Permit No. ALS000011. This proposed permit is a permit reissuance and requires the Permittee to develop, implement, and enforce a Storm Water Management Program (SWMP) designed to reduce the discharge of pollutants to the maximum extent practicable using the minimum control measures to protect water quality and to satisfy the appropriate water quality requirements of the Clean Water Act. The Permittee must also develop a Storm Water Management Program Plan (SWMPP) to describe in detail the measures for implementation and maintenance of the SWMP. The minimum control measures include the following: Structural Controls; Public Education and Public Involvement on Storm Water Impacts; Illicit Discharge Detection and Elimination (IDDE); Construction Site Storm Water Runoff Control; Post-Construction Storm Water Management for New Development and Re-Development; Pollution Prevention/Good Housekeeping. The Permittee must submit an annual report that includes documentation of the six (6) minimum control measures used by the Permittee to reduce the discharge of pollutants to waterbodies to the maximum extent practicable. The Permittee is required to develop and implement a monitoring plan for streams receiving MS4 discharges in order to provide data to be used to assess the effectiveness and adequacy of BMPs implemented under the SWMPP. This would include MS4 discharges to an impaired waterbody, as listed on the State of Alabama's 303(d) list, or MS4 discharges into a waterbody with an Environmental Protection Agency (EPA)-established and/or EPA-approved Total Maximum Daily Load (TMDL).

State and Federal Permit Requirements: This permit implements applicable requirements of 40 CFR Part 122.26

Permit Procedures: This draft permit has been developed in accordance with all applicable procedures of ADEM Admin. Code r. 335-6-6.

Effluent Standards and Limitations: This permit requires that any discharges associated with the regulated MS4 be consistent with TMDLs established and/or approved by the EPA in addition to applicable State Water Quality Standards. This permit also requires that controls (including the minimum control measures listed above) be developed and implemented to reduce the discharge of pollutants.

Prepared by: Melanie Ratcliffe

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APPENDIX B

Storm Water Collection Systems Operations

Structure Number	Latitude	Longitude	Location	Description
1	33.232633	-86.805828	Pond adjacent to Lowe's parking lot to the north	Commercial detention pond
2	33.233658	-86.804912	Pond adjacent to Taco Bell drive-thru to the south	Commercial detention pond
3	33.23674	-86.803184	Pond adjacent to the south of Ruby Tuesday parking lot	Commercial detention pond
4	33.233925	-86.801435	Pond adjacent to delivery area of Bed, Bath and Beyond	Commercial detention pond
5	33.186679	-86.826276	Veteran's Park retention pond NE from Dog Park	Park retention pond
6	33.185253	-86.827309	Veteran's Park retention pond E from Dog Park	Park retention pond
7	33.184536	-86.82968	Veteran's Park retention pond SW from Dog Park	Park retention pond
8	33.23406	-86.826926	City Hall pond	Detention pond
9	33.231299	-86.835231	Residential pond located adjacent to Oleander Lane	Detention pond
10	33.183657	-86.766706	Public Works pond	Detention pond
11	33.183657	-86.766707	Veteran's Park retention pond NW from Soccer Fields	Park retention pond
12	33.233518	-86.824469	Police Station Pond	Detention pond
13	33.257786	-86.821997	Patriot Park Pond	Detention pond
14	33.23216	-86.82709	Senior Center Park Pond	Detention pond

City of Alabaster

Structural Controls Inspection Form

Structural Control Number:

Date and Time:

Inspection Team:

Required Maintenance Last Inspection:

☐Debris ☐Trash ☐Erosion ☐Veg Maint.

Required Maintenance Performed:

☐Debris ☐Trash ☐Erosion ☐Veg Maint.

Required Maintenance This Inspection:

☐Debris ☐Trash ☐Erosion ☐Veg Maint.

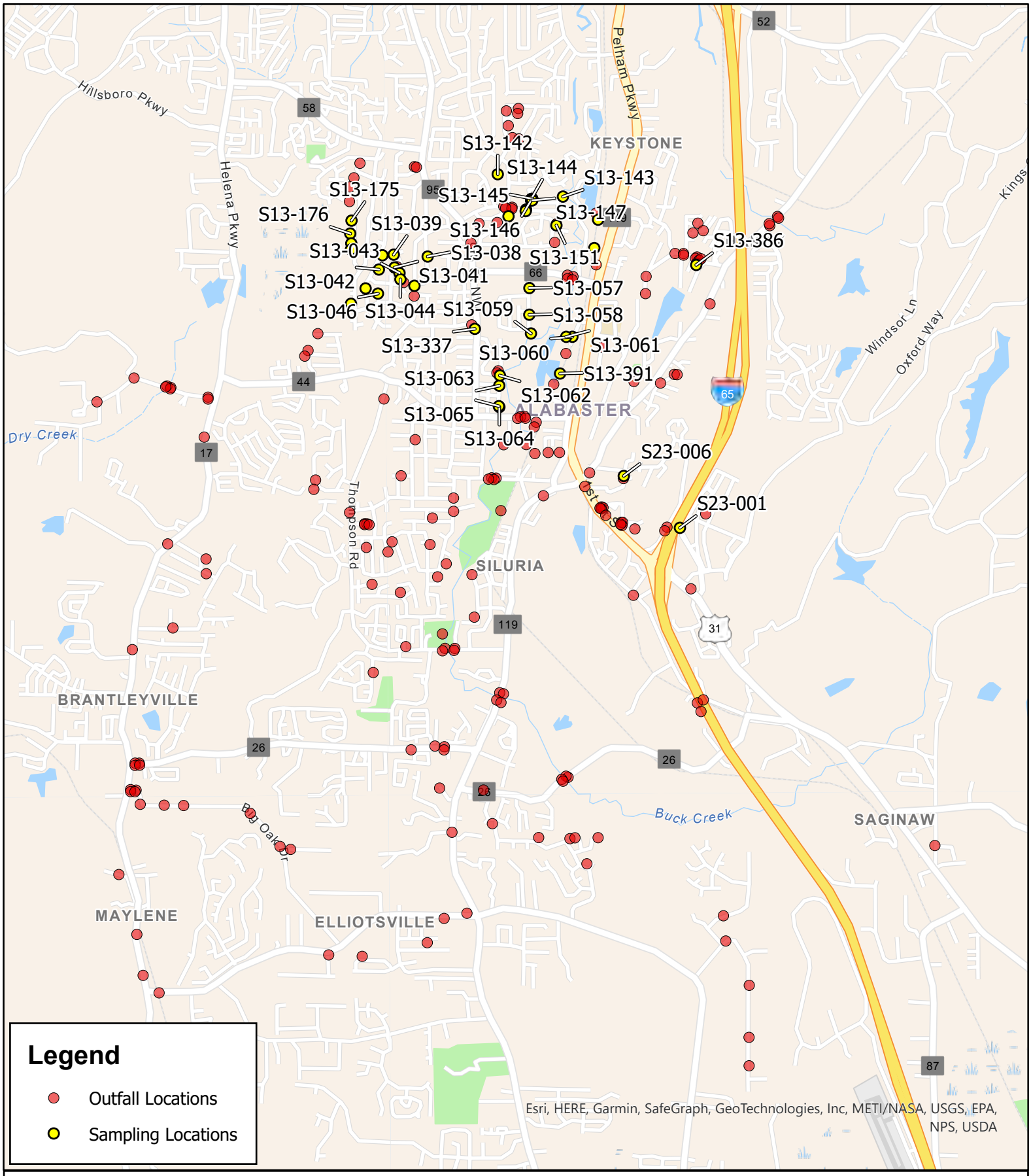
Notes:

Resolved Maintenance: (This section to be completed by City staff)

☐Debris ☐Trash ☐Erosion ☐Veg Maint.

APPENDIX C

Illicit Discharge and Elimination (IDDE)



Alabaster
CITY UNLIMITED

0 4,000 8,000 Feet

1 Inch = 4,000 Feet

N

Note: This map is not intended for construction.

Outfall Locations
Alabaster MS4 Program
Alabaster, Shelby County, Alabama

CITY OF ALABASTER STORMWATER MANAGEMENT PROGRAM OUTFALL LIST

OUTFALL	DATE INSPECTED	X/Y COORDINATE (UTM)		SITE DESCRIPTION AND/OR PIPE SIZE
S13-008	7/25/22	-86.86606208	33.24569972	18" RCP
S13-009	7/25/22	-86.85875106	33.24705303	Open Ditch
S13-010	7/25/22	-86.85835082	33.2469092	Open Ditch
S13-011	7/25/22	-86.85841786	33.24679937	Open Ditch
S13-012	7/25/22	-86.85889473	33.24697031	Open Ditch
S13-027	7/25/22	-86.8544814	33.24605346	Open Ditch
S13-029	7/25/22	-86.85448136	33.24588776	Open Ditch
S13-037	7/25/22	-86.86218371	33.24776737	24" RCP
S13-038		-86.83150063	33.25824654	24" RCP
S13-039		-86.83503717	33.258431	24" RCP
S13-040		-86.83621822	33.25838298	30" RCP
S13-041		-86.83470692	33.2573648	24" RCP
S13-042		-86.83659914	33.25713703	24" RCP
S13-043		-86.83445162	33.25681789	24" RCP
S13-044		-86.83401972	33.25598258	24" RCP
S13-045		-86.83293302	33.25478533	24" RCP
S13-046		-86.83670862	33.25503204	36" RCP
S13-047		-86.83799398	33.25549197	18" RCP
S13-048		-86.83952624	33.25415818	36" RCP
S13-049		-86.84299565	33.25155269	24" RCP
S13-050		-86.84402766	33.25008283	30" RCP
S13-051		-86.84437603	33.24959107	24" RCP 18" RCP
S13-052		-86.83615291	33.24580131	24" RCP
S13-053	7/21/23	-86.81636077	33.25640263	Open Ditch
S13-054	7/21/23	-86.81693565	33.25653232	Open Ditch
S13-055	7/21/23	-86.81693374	33.25622325	Open Ditch
S13-056	7/21/23	-86.81643311	33.25612084	Open Ditch
S13-057		-86.8209191	33.2554317	48" CMP
S13-058		-86.82094752	33.25309863	24" RCP
S13-059		-86.82078766	33.25145357	Open Ditch

S13-060		-86.81647279	33.25114059	30" RCP
S13-061		-86.8171169	33.25114154	24" RCP
S13-062		-86.82421858	33.24819868	48" RCP 18" RCP
S13-063		-86.82412466	33.2469031	24" RCP 14" RCP
S13-064		-86.8241284	33.2450359	24" RCP
S13-065		-86.82418468	33.24510768	18" RCP
S13-391		-86.81844589	33.24699416	Open Ditch
S13-067	7/21/23	-86.80342296	33.25805014	Open Ditch
S13-068	7/21/23	-86.80357466	33.25793115	Open Ditch
S13-069	7/21/23	-86.80321	33.25775359	Open Ditch
S13-070		-86.80347653	33.25749881	24" RCP
S13-071		-86.80570736	33.2583659	36" RCP
S13-072	7/25/22	-86.80873966	33.25637385	Open Ditch
S13-073	7/25/22	-86.80881556	33.25487033	Open Ditch
S13-074	7/25/22	-86.80210277	33.25393252	14" CMP
S13-075	7/25/22	-86.81335087	33.25020685	24" RCP
S13-076	7/25/22	-86.81008856	33.24718687	24" RCP
S13-077	7/25/22	-86.80587375	33.24778879	24" RCP
S13-078	7/25/22	-86.80557468	33.24776047	14" RCP
S13-079	7/25/22	-86.80731405	33.24703153	Open Ditch
S13-131	7/25/22	-86.80331095	33.26100667	Open Ditch
S13-132	7/25/22	-86.80275415	33.26034731	12" RCP
S13-133	7/25/22	-86.80383221	33.26015414	Open Ditch
S13-134	7/21/23	-86.80482758	33.25835376	Open Ditch
S13-135	7/21/23	-86.80482512	33.2582196	Open Ditch
S13-136	7/25/22	-86.82319617	33.2709468	24" RCP
S13-137	7/25/22	-86.82193931	33.27114644	30" RCP
S13-138	7/25/22	-86.82201824	33.27070929	18" RCP
S13-139	7/25/22	-86.82300534	33.2696506	12" RCP
S13-140	7/25/22	-86.8225817	33.26860754	18" RCP, inferred
S13-141	7/25/22	-86.82190176	33.26848542	72" RCP
S13-142		-86.82414256	33.26541453	48" RCP
S13-143		-86.81735973	33.26341847	48" RCP
S13-144		-86.82066347	33.26323184	Open Ditch

S13-145		-86.82054775	33.26324059	Open Ditch
S13-146		-86.82068213	33.26310519	Open Ditch
S13-147		-86.82056318	33.26310492	Open Ditch
S13-148		-86.82353106	33.26258123	Open Ditch
S13-149		-86.8226669	33.26250804	Open Ditch
S13-151		-86.81806283	33.26090285	12" RCP
S13-152		-86.82269004	33.26236797	Open Ditch
S13-153		-86.82334104	33.26243488	Open Ditch
S13-155		-86.82611856	33.26110288	48" elliptical
S13-156		-86.82422489	33.26118232	30" elliptical
S13-157		-86.81824844	33.25940576	30" RCP
S13-158		-86.82698073	33.2594032	24" RCP
S13-169		-86.83281938	33.26611586	Open Ditch
S13-170		-86.83261137	33.26606483	48" RCP
S13-171		-86.83849438	33.26644447	24" RCP
S13-172		-86.83913549	33.26517323	Open Channel
S13-173		-86.83952913	33.26438503	24" RCP
S13-174		-86.83961236	33.26310146	24" RCP
S13-175		-86.8394157	33.26143401	24" RCP
S13-176		-86.83955904	33.26030069	24" RCP
S13-177		-86.83945475	33.25943677	24" RCP
S13-178		-86.83950224	33.25889889	24" RCP
S13-333		-86.81392715	33.26194308	36" Steel
S13-337		-86.82694807	33.25223804	36" RCP
S13-338		-86.81393673	33.25742394	18" RCP (2)
S13-386		-86.80351215	33.25735661	24" RCP
S14-058	7/21/23	-86.79500342	33.26154583	Open Ditch
S14-059	7/21/23	-86.79489118	33.26140548	Open Ditch
S14-060	7/21/23	-86.79581674	33.26074421	Open Ditch
S14-061	7/21/23	-86.79587139	33.26092156	Open Ditch
S22-030	7/25/22	-86.77905164	33.20638726	4 x 4 Box Culvert
S23-001		-86.80269177	33.23555049	36" CMP
S23-006		-86.81124295	33.23869568	Open Ditch
S23-007	7/21/23	-86.81355643	33.23622307	Open Ditch

S23-008	7/21/23	-86.81339245	33.23616697	Open Ditch
S23-009	7/21/23	-86.81357689	33.23606063	Open Ditch
S23-010	7/21/23	-86.81371033	33.23611863	Open Ditch
S23-011		-86.81311382	33.2354854	30" CMP
S23-012		-86.81149287	33.2348595	Open Ditch
S23-013		-86.81136242	33.23485805	Open Ditch
S23-014		-86.81142934	33.23459097	Open Ditch
S23-015		-86.81156773	33.23468936	Unknown
S23-016		-86.80673743	33.23441495	Open Ditch
S23-017		-86.80697463	33.2340991	Open Ditch
S23-018		-86.80428413	33.22900427	Open Ditch
S23-019		-86.81476683	33.23921535	57" x 21" Box Culvert
S23-020		-86.81959727	33.23723539	24" RCP
S23-021		-86.81527659	33.23802333	24" RCP (2)
S23-022		-86.82029902	33.24367739	24" RCP
S23-023		-86.82050382	33.24326275	24" RCP, inferred
S23-024		-86.81788936	33.2410129	18" RCP
S23-025		-86.81907008	33.24101462	Curb Inlet
S23-026		-86.8204549	33.24093545	Curb Inlet
S23-027		-86.82134421	33.24172149	24"RCP
S23-028	7/21/23	-86.82150943	33.24419619	Open Ditch
S23-029	7/21/23	-86.82191993	33.24416905	Open Ditch
S23-030	7/21/23	-86.82222781	33.24402396	Open Ditch
S23-031	7/21/23	-86.82141268	33.24403648	Open Ditch
S23-032		-86.82370615	33.24172214	Open Ditch
S23-033	7/21/23	-86.82497524	33.2388307	12" RCP
S23-034		-86.8289636	33.23708675	24" RCP, inferred
S23-035		-86.82896586	33.23592314	24" RCP, inferred
S23-036		-86.82403866	33.23595592	Open Ditch
S23-037		-86.82976172	33.23133539	60" RCP
S23-038		-86.83067617	33.23019641	24" RCP
S23-039		-86.83291548	33.24221886	30" RCP
S23-040		-86.83441635	33.23906559	18" RCP (2)
S23-041		-86.83825009	33.23488342	Open Ditch

S23-042		-86.83800302	33.23487835	Open Ditch
S23-043		-86.83825491	33.2348093	Open Ditch
S23-044		-86.83777237	33.23479569	Open Ditch
S23-045		-86.83807958	33.23280923	48" RCP
S23-046		-86.83539383	33.23329103	48" RCP
S23-047		-86.83583097	33.23240545	24" RCP
S23-048		-86.83751343	33.22958018	30" RCP
S23-049		-86.83456604	33.22884545	24" RCP, inferred
S23-050		-86.83144273	33.23302974	36" RCP
S23-051		-86.83117801	33.23534886	48" RCP
S23-052		-86.83980711	33.23587775	36" RCP, inferred
S23-053		-86.84332742	33.23874017	36" RCP
S23-054		-86.84351737	33.23792594	36" RCP
S23-055	7/25/22	-86.85490745	33.24255968	30" RCP
S23-056	7/25/22	-86.85877637	33.23322741	24" RCP
S23-058	7/25/22	-86.85479337	33.23188709	36" CMP
S23-059	7/25/22	-86.85478005	33.2305994	42" CMP (3)
S23-061		-86.81715216	33.24967128	4 x 8 Box Culvert
S23-062		-86.8243586	33.24801292	24" RCP
S23-064		-86.83403746	33.2241059	48" RCP
S23-065		-86.83744359	33.22185821	48" CMP
S23-066	7/25/22	-86.85829016	33.22587186	42" CMP (2), 12 CMP (1)
S23-067	7/25/22	-86.86253013	33.22399572	24" RCP
S23-069	7/25/22	-86.84617	33.20642169	18" RCP
S23-070	7/25/22	-86.84727097	33.20668346	36" RCP
S23-071	7/25/22	-86.85034951	33.20959656	36" RCP
S23-072		-86.86188589	33.21405071	Open Ditch
S23-073		-86.86231166	33.21405586	Open Ditch
S23-074		-86.86232168	33.21385645	Open Ditch
S23-075		-86.86184472	33.21387541	Open Ditch
S23-076		-86.86222989	33.21168709	Open Ditch
S23-077		-86.86280626	33.21174112	Open Ditch
S23-078		-86.86279948	33.21156596	Open Ditch
S23-079		-86.86235323	33.2115515	Open Ditch

S23-080		-86.86180737	33.21044683	18" RCP
S23-081		-86.85931424	33.21035621	24" RCP
S23-082		-86.85728592	33.21031809	12" RCP
S23-083		-86.86407765	33.2043123	12" RCP
S23-084		-86.82687755	33.2266483	Open Ditch
S23-085	7/21/23	-86.82428385	33.22001352	Open Ditch
S23-086	7/21/23	-86.82389223	33.21991901	Open Ditch
S23-087	7/21/23	-86.82460033	33.21938149	Open Ditch
S23-088	7/21/23	-86.82415598	33.21916093	Open Ditch
S23-089	7/21/23	-86.83106567	33.21538546	Open Ditch
S23-090	7/21/23	-86.83354699	33.21507077	Open Ditch
S23-091	7/21/23	-86.83008158	33.21531947	Open Ditch
S23-092	7/21/23	-86.83012707	33.21504513	Open Ditch
S23-093	7/25/22	-86.80112714	33.200366	24" CMP, inferred
S23-095	7/25/22	-86.80090007	33.19815435	18" RCP
S23-098	7/25/22	-86.79848496	33.19426168	30" RCP
S23-101	7/25/22	-86.79854471	33.18970636	18" RCP
S23-102	7/25/22	-86.79855782	33.18721728	18" RCP
S23-103	7/21/23	-86.81721595	33.21257958	Open Ditch
S23-104	7/21/23	-86.81742919	33.21267409	Open Ditch
S23-105	7/21/23	-86.81787413	33.2124047	Open Ditch
S23-106	7/21/23	-86.81774721	33.21224047	Open Ditch
S23-107	7/21/23	-86.82604108	33.21151012	14" CMP
S23-108	7/25/22	-86.83060896	33.21170589	24" RCP (2)
S23-109	7/25/22	-86.82031938	33.20731471	18" CMP
S23-110	7/25/22	-86.81706498	33.20720278	18" RCP
S23-111	7/25/22	-86.8165382	33.20727461	14" RCP
S23-112	7/25/22	-86.81531509	33.2049943	48" CMP
S23-113	7/25/22	-86.81412874	33.20727138	14" RCP
S23-116		-86.8278434	33.20073332	42" elliptical
S23-117		-86.86224297	33.19906229	30" CMP
S23-118		-86.86161563	33.19547149	30" CMP
S23-120		-86.84227234	33.19716198	30" RCP
S23-121		-86.83878086	33.19701734	36" RCP

S23-124		-86.83022371	33.20029457	14" CMP
S23-128		-86.83199392	33.19817744	40" CMP elliptical
S23-132	7/21/23	-86.82451411	33.23880303	Open Ditch
S23-133	7/21/23	-86.82473722	33.23868555	Open Ditch
S23-134	7/21/23	-86.82530601	33.23872249	Open Ditch
S23-138	7/21/23	-86.83021017	33.2251997	40" CMP ellipitcal
S23-139	7/21/23	-86.82994965	33.22393148	Open Ditch
S23-140	7/21/23	-86.82892959	33.22392158	Open Ditch
S23-141	7/21/23	-86.83021354	33.22372158	Open Ditch
S23-142	7/21/23	-86.82902046	33.22375237	Open Ditch
S23-146	7/21/23	-86.82934984	33.20783236	36" x 30" Box Culvert
S23-147		-86.82513244	33.20856476	42" CMP
S23-148		-86.85996274	33.19393323	24" RCP
S23-149	7/21/23	-86.80369496	33.2190134	Open Ditch
S23-150	7/21/23	-86.80307671	33.21927667	Open Ditch
S23-151	7/21/23	-86.80332086	33.21825728	Open Ditch
S23-154		-86.81029002	33.2284725	24" x 36" Box Culvert
S23-155		-86.82709069	33.23037114	18" RCP, inferred
S23-177		-86.81008418	33.23427858	24" RCP
S13-066	7/21/23	-86.80300575	33.25788782	Open Ditch
S13-159		-86.81805807	33.26102677	

Highlighted Row indicates inspection site included in report but not list

LEGEND

YEAR 1
YEAR 2
YEAR 3
YEAR 4
YEAR 5

City of Alabaster Storm Water Management Program

Dry-Weather Screening Data Sheet

Outfall number:_____ Date: ____/___/____

Inspection Team: _____ Time: _____AM/PM

Site Description: ☐ open channel ☐ manhole ☐ outfall ☐ other _____

Dominant Watershed Land Uses: ☐ industrial ☐ commercial ☐ residential ☐ unknown
☐ other _____

Location: _____
_____
_____

Flow Present: ☐ No ☐ Yes 1. width of water surface (ft): _____ _____
2. approximate depth of water (ft) __ _____
3. approximate flow velocity (fps) __ _____
flow rate (cfs) = 1x2x3=_ _____

Visual observations:

Odor: ☐ none ☐ musty ☐ sewage ☐ rotten eggs ☐ sour milk ☐ other_____
Color: ☐ clear ☐ red ☐ yellow ☐ brown ☐ green ☐ gray ☐ other_____
Clarity: ☐ clear ☐ cloudy ☐ opaque ☐ suspended solids ☐ other_____
Floatables: ☐ none ☐ oily sheen ☐ garbage/sewer ☐ other_____
Depositis/Stains: ☐ none ☐ sediments ☐ oily ☐ other_____
Vegetation Condition: ☐ none ☐ normal ☐ excessive growth ☐ inhibited growth ☐ other_____ _____
Structural Condition: ☐ normal ☐ concrete cracking/spalling ☐ metal corrosion ☐ other_____
Biological: ☐ mosquito larvae ☐ bacteria/algae ☐ other_____

Field Analysis:

water temperature (°F)_____
pH _____ Method of Analysis: _____(Strips/Meter)

Laboratory Sample Collected: ☐ yes ☐ no

Lab Analysis:

E.Coli: (colonies/100ml): _____ Potassium (mg/l): _____ NH3N (mg/l): _____
Oil & Grease (mg/l): _____ MBAS(mg/l): _____ pH: _____

Comments: _____
_____

Data Sheet Filled Out By: (signature): _____

APPENDIX D

Construction Site Storm Water Runoff Control

ALABASTER FIRE DEPARTMENT
Planning and Safety Division
205-664-6823
INITIAL SITE INSPECTION

INSPECTION REQUEST
Request Date:

Permit #:
Date Desired:
Time Desired:

Permit Type: LC LAND CLEARING
Location:
Lot Number:
Subdivision:

Inspection Type: LCIN
Contractor:
Contact Name and Number:
Description: EROSION AND SEDIMENT CONTROL
of Work:
Notes:

☒ INSPECTION
☐ REINSPECTION

☐ REINSPECTION REQUIRED
☐ REINSPECTION FEE

INSPECTION RESULTS

INSPECTION DATE: 0

☒ PASS ☐ FAIL

COMMENTS/CORRECTIONS REQUIRED:

INITIAL SITE INSPECTION

INSPECTORS SIGNATURE: _____

APPENDIX E

Post-Construction BMPs

Permite Number	Permitee Name	Owner Address
19–00808	CIE Wire & Cable	100 Wire Way
21-00046	Premier Family Dentistry	10090 Highway 119
17-01366	Mike Mooney Construction	104 Preserve Circle
19-01121	Dunkin Donuts	1114 1st Street North
16-00031	Sunbelt Paper and Packaging	113 Airpark Industrial Road
18–01317	Wesley Guy State Farm	1208 1st Avenue North
18–00399	Alabama Plumbing Contractors	1215 Shelby West Parkway
22-07074	Chick-fil-a	125 Colonial Promenade Parkway
18–00560	Alabama Crown	1330 Corporate Woods Drive
	H&H Trucking	136 Airpark Industrial Road
17-00743	KSB Enterprises & Ross Investments	159 Airpark Industrial Road
21-00239	Sutton Engineering	160 Airpark Industrial Road
21-00422	Cobb Underground	183 Airpark Industrial Road
14-01108	Penske	185 Airpark Industrial Road
20-01453	MacLean Power	1909 Highway 87
06-01454	Kent Farms Commercial Complex Pond 1	200 Kent Stone Boulevard
	Kent Farms Commercial Complex Pond 2	200 Kent Stone Boulevard
15-00678	Kent Farms Commercial Complex Pond 3	40 Kent Stone Way
22-00110	White Stone Retail Complex	2170 Kent Dairy Road
19-01029	Kent Farms Animal Hospital Pond 1	2259 Kent Dairy Road
19-01029	Kent Farms Animal Hospital Pond 2	2259 Kent Dairy Road
21-00201	Equipment Share	281 Commercial Court
18–01445	Urology Centers Of Alabama	408 1st Street North
20-01769	RaceTrac	550 Highway 31
17–00584	Office/Warehouse	600 Galloway Circle
17–00585		601 Galloway Circle
17–00586		604 Galloway Circle
17–00587		608 Galloway Circle
16-00703	Alabaster Landing	634 First Street North
19-00758	Alabaster Self Storage - Lumpkin	7823 Highway 119
16-00392	ECO Credit Union	791 4th Place Southwest
14-01107	Walmart Neighborhood Market	9085 Highway 119
22-00949	Fast Pace Urgent Care	9149 Highway 119
18-01408	Gamble Holdings - Carwash	916 1st Street South
17–01164	Maylene "C" Store	9200 Highway 17
18–00396	Warrior Express Convenience Store	9970 Highway 119
-----	Enclave Subdivision	Ramsgate Drive
20-02012	Dawson's Cove Pond	Smokey Road
20-02012	Dawson's Cove Swale 1	Smokey Road
20-02012	Dawson's Cove Swale 2	Smokey Road
20-02012	Dawson's Cove Swale 3	Smokey Road
20-02012	Dawson's Cove Swale 4	Smokey Road
-----	Mallard Landing Pond 1	Smokey Road
	Mallard Landing Pond 2	Smokey Road
	Mallard Landing Pond 3	Smokey Road
	Mallard Landing Grass Swale	Smokey Road
	Mallard Landing Ditch Check	Smokey Road

APPENDIX F

Spill Prevention and Response

Spills, Illicit Discharges & Improper Disposals

Citizen Action

In the event a spill, illicit discharge, improper disposal or erosion control BMP failure, contact using the following methods:

No Immediate Danger

If the event does not post an immediate threat to life, health or safety:

- Call City Hall - (205) 664-6800
- Complete a "Report a Concern" form

Immediate Danger

If the event does pose an immediate threat to life, health, or safety; or if you are uncertain if the event poses a threat:

- Call 911
- Call our Police Dispatch at (205) 663-7401
- Call City Hall - (205) 664-6800

City of Alabaster Fire Department Standard Operating Procedure (SOP)

If the event can be managed by Fire Department Personnel:

- If possible, shut off the source of the spill immediately
- Deploy absorbent products and/or diking materials to contain the spill.
- Spills on pervious areas may require removal of soil or other contaminated materials.
- Consult Shelby County EMA for disposal requirements for all products and materials used to mitigate spills

If the event requires outside personnel:
The Alabaster Fire Department will contact Shelby County EMA and follow EMA protocol Hazmat and

decontamination units will be contacted as needed.

Contact

City of Alabaster
1953 Municipal Way
Alabaster, Alabama 35007

Phone: 205-664-6800
Fax: 205-664-6841

Helpful Links

Employment Opportunities

Bid Postings

Revenue Documents

Pickup Pet from Animal Control Form

APPENDIX G

Pollution Prevention/Good Housekeeping for Municipal Operations

Facility
Abbey Wooley
Buck Creek Maintenance Shop
Buck Creek Park
Buck Creek Trail
City Hall
Depot
Fire Station #1
Fire Station #2
Fire Station #3
Heroes Park
Library
Limestone Park
Police Municipal Annex
Municipal Park
Parks and Rec Building
Patriot Park
PD Firing Range
Police Station
Police Training Limestone
Public Works
Senior Center
Sewer Plant
Veteran’s Park
Warrior Park

City of Alabaster Pollution Prevention/Good Housekeeping Facility Checklist

Inspectors Name: Casey Nowell

Date of Inspection: _____

Facility Inspected: _____

	Yes	No	N/A
Maintenance			
Vehicle Maintenance			
Indicators observed of vehicles leaking oil or other fluids? Indicators observed of leaks drips, or spills?	☐	☐	☑
Any containers of fluids on the ground or exposed to precipitation?	☐	☐	☑
Any batteries stores outside or exposed to precipitation?	☐	☐	☑
Any oily vehicle parts exposed to precipitation?	☐	☐	☑
Are vehicles maintained near storm drains?	☐	☐	☑
Vehicle Washing			
Are any scrub brushes, detergents, or other chemicals outdoors or in the area of spigots?	☐	☐	☑
Vehicle Storage			
Indicators observed of vehicles leaking oil or other fluids? Indicators observed of leaks, drips, or spills?	☐	☐	☑
Indicators observed of corrosion on vehicles that could affect water quality or possibly cause chemical releases in the future?	☐	☐	☑
Any containers of fluids on the ground or exposed to precipitation?	☐	☐	☑
Any batteries stores outside or exposed to precipitation?	☐	☐	☑
Any oily vehicle parts exposed to precipitation?	☐	☐	☑
Are vehicles maintained near storm drains?	☐	☐	☑
Chemical Storage			
Indicators observed of chemicals stored outdoors or exposed to precipitation?	☐	☐	☑
Indicators observed of chemical containers leaking?	☐	☐	☑
Chemical containers not labeled or labeled incorrectly?	☐	☐	☑
Chemical stores in high traffic areas or overhead?	☐	☐	☑
Fueling Areas			
Indicators observed of vehicles leaking oil or other fluids? Indicators observed of leaks, drips, or spills?	☐	☐	☑
Indicators observed of corrosion on fueling containers that could affect water quality or possibly cause chemical releases in the future?	☐	☐	☑
Any containers of fluids on the ground or exposed to precipitation?	☐	☐	☑
Spill kits need maintenance?	☐	☐	☑
Dumpsters			
Are dumpsters open?	☐	☐	☑
Are dumpsters leaking?	☐	☐	☑

	Yes	No	N/A
Outdoor Material Storage			
Any soluble materials exposed to precipitation?	☐	☐	☑
Any potentially hazardous material that could affect water quality exposed to precipitation?	☐	☐	☑
Are materials containing possible contaminates stored near storm inlets?	☐	☐	☑
Do any material storage containers have tops that are not sealed?	☐	☐	☑
Are any material that are stored degrading, leaking, or corroding?	☐	☐	☑

Outdoor Loading			
Observed oil drippings, spills or leaking vehicles?	☐	☐	☑
Observed loading material spillage?	☐	☐	☑
Does loading area have significant trash, dirt, or debris accumulation?	☐	☐	☑

Comments

City of Alabaster Good Housekeeping Standard Operating Guidance

August 2017

Prepared For

City of Alabaster
1953 Municipal Way
Alabaster, Alabama 35007

Prepared by

Volkert, Inc.
1680 West Second Street, Suite B
Gulf Shores, Alabama 36542
(251) 968-7551

Table of Contents

INTRODUCTION

The following Good Housekeeping Standard Operating Guidance was developed to support municipal operations within the City of Alabaster. This information has been formulated as guidance material as required by the issued Municipal Separate Storm Sewer System Individual Phase I Permit (ALS000011). The procedures outline municipal maintenance activities and protocols (or Best Management Practices ("BMPs")) that strengthen programmatic oversight, overall operations, and departmental policies. When implemented correctly, these management measures will help the City become more protective of storm water pollution.

Standard Operating Guidance for:

General Good Housekeeping Procedures

Purpose: To protect storm water using proper refuse storage, properly collecting, storing, handling, and disposing of facility generated wastes, preventing "illicit" discharges, and properly employing techniques for maintaining a clean and organized facility.

Recommended Guidance	Suggested Frequency	
	Always	Whenever Possible
Keep everything covered (stored chemicals, wastes, vehicles, equipment) to minimize their potential to pollute storm water.		X
Post safety signs throughout each facility and label storm drain inlets, hazardous materials and potential spill areas.		X
Install safety barriers or fences around high risk areas.		X
Regularly inspect oil/water separators and floor drain systems and track maintenance needs.	X	
Store containers and equipment above the ground on pallets or similar structures.		X
Recycle wastes, used oil, solvents, grease rags, wash water, and other spent liquids.		X
Utilize sediment control fences, fabric-covered triangular dikes, gravel-filled burlap bags, biobags and detention ponds.		X
Consider installing secondary controls (drip pans, basins, sumps, oil/water separators, catch basin inserts, oil pads/skimmers).		X
Monitor floor drains and storm inlets and/or catch basins, and inspect, remove/replace as appropriate.	X	
Store discarded materials in appropriate waste containers (i.e. when moving fluids from drip pans).	X	
Use absorbent material to contain drips/leaks when repairing equipment and vehicles.	X	
Regularly pickup and dispose of waste materials and scrap equipment.	X	
Label and seal industrial materials/containers and store them above the ground.		X
Regularly inspect the storage conditions of equipment, drums, tanks, and containers.	X	
Consider strategic use of storm water filters and sediment detention ponds for future planning/management.		X

Procedures/Practices to Avoid
Never store hazardous materials in highly trafficked areas.
Never park or store leaking vehicles or equipment outdoors or near any structures that convey storm water.
Never allow mobilization of pollutants in storm water by regularly sweeping facility floors.
Never dump any used cleaners down the floor drains, sinks, storm drain, on the ground or into the air.
Avoid leaving soil exposed areas to help prevent soil from eroding during rain events.
Avoid oil and grease pollution to occur in facility generated storm water runoff.

Standard Operating Guidance for:

Storage, Handling, and Application of Chemicals

Purpose: To prevent contamination of storm water by preventing discharges to waterways and properly handling/storing pesticides herbicides, fertilizers and waste materials.

Recommended Guidance	Suggested Frequency	
	Always	Whenever Possible
Use appropriate containers when storing chemicals.	X	
Clearly label all containers with the chemical name and date.	X	
Store all chemicals in a dry location off the ground level.	X	
Store Material Safety Data Sheets (MSDS) near storage areas.		X
Order only what chemicals you need prior to application so as to reduce the need for seasonal storage.		X
Regularly inspect storage areas for chemical leaks and/or spills.	X	
Applicators must be certified before being allowed to handle or apply chemicals.	X	
Use Personal Protective Equipment (PPE) when handling and applying chemicals.	X	
Follow manufacturer's recommendations for handling, mixing and applying chemicals.	X	
Follow federal and state regulations when handling, mixing and applying chemicals.	X	
Calibrate application equipment to ensure proper amount of product is applied.	X	
Use fertilizers with no phosphorous content.		X
Use the granular form of fertilizers, herbicides and pesticides to minimize application losses.		X
Use a designated wash station to wash equipment.	X	
Use soil test kit to test soil prior to applying fertilizer.		X

Procedures/Practices to Avoid
Never store chemicals near storm inlets or waterways.
Never use expired product.
Avoid broadcasting product near waterbodies or storm drain structures.
Avoid more severely toxic products and delivery methods.
Avoid using liquids whenever possible to prevent wind drift of chemicals.
Avoid over application.

Standard Operating Guidance for:

Parking-lot and Street Cleaning Maintenance

Purpose: To control total suspended solids runoff from paved surfaces and prevent contamination of storm water as it comes into contact with debris that has been deposited on roadways.

Recommended Guidance	Suggested Frequency	
	Always	Whenever Possible
Ensure that all sweeper brushes, water spray hoses, and other equipment are functional prior to leaving storage facility.	X	
Use a maintenance vehicle capable of picking up fine grained sediment particles that contribute to pollutant loading.	X	
Consider additional measures such as employing dry vacuum assisted sweepers.		X
Use a vacuum sweeper to clean sediment/debris that has accumulated on porous pavement.		X
Adhere to the manufacturer's recommended procedures (i.e. speed, brush alignment, rotation rate, sweeping pattern).	X	
Regularly dispose of any accumulated debris and track the volume that has been disposed of.	X	
Sweeper wastewater should only be decanted to the sanitary sewer.	X	
Protect nearby (30 feet) storm drain inlets from maintenance work (i.e. chip sealing, saw cutting, asphalt cap etc.).		X
Remove leaf litter so as to prevent it from clogging the storm sewer and contributing to nutrient pollution.	X	
Sweep public streets and municipal lots at least twice per year.		X
Sweep downtown areas and heavily trafficked areas more frequently.		X
Sweep areas where sediment is present in roads/streets following heavy rain and significant storm events.		X
Immediately sweep after special events, street fairs, art shows, parades and/or other times when debris accumulates.		X
Sweep construction entrances, municipal fueling areas, and vehicle/equipment storage areas on an as needed basis.		X

Procedures/Practices to Avoid
Never store street sweepings or hoppers in wind prone areas or near storm drains or waterways.
Never intentionally sweep debris or sediment material directly into the storm drain.
Avoid washing down any streets, parking-lots, or curbs whenever possible.
Avoid leaving inlets exposed without inlet protection (i.e. covers, sand bags, filter fabric etc.).

Standard Operating Guidance for:

Catch Basin and Storm Sewer System Maintenance

Purpose: To prevent contamination of storm water by preventing "illegal" disposal, and by properly storing, handling, and disposing of facility generated and wastes.

Recommended Guidance	Suggested Frequency	
	Always	Whenever Possible
Use appropriate erosion and sediment control practices when performing storm sewer system repairs.	X	
If you suspect any contamination or find evidence of an illicit discharge immediately report it to your supervisor.	X	
Immediately transfer collected debris from vacuum trucks to a secure storage location or permanent disposal site.		X
Properly release any fluids that accumulate during catch basin cleaning to a sanitary WWTP.	X	
Regularly inspect catch basins for structural integrity and immediately repair any leaking or damaged structures.	X	
Identify and prioritize storm drain systems that need cleaning to decrease bacteria levels and increase dissolved oxygen.		X
Clean catch basins when the debris and sediment have reached 50 percent of the capacity of the sump.	X	
Coordinate to ensure cleaning occurs after regularly scheduled street sweeping.	X	
Maintain a checklist for prioritizing which catch basins require maintenance and it what order.	X	
Follow preventative maintenance procedures; minimize cracks, leaks, and other conditions that may disturb the system.		X
Utilize a vacuum truck to suck up flush water downstream from flushing inlets.	X	
Cleaning and repairs are tracked using a base map showing remaining sewer lines and catch basins that need attention.		X
Work records detailing maintenance and parts are filed in chronological order and detail where work was done.	X	

Procedures/Practices to Avoid
Never allow equipment or structures to sit in disrepair.
Never empty vacuum trucks near waterways, storm inlets, or where wind/rain can scatter the debris.
Avoid cleaning sewer systems in the fall because leaves can trap sediment in the catch basin.
Avoid discharging contaminated storm water sewer flush water into waterbodies.
Avoid allowing debris to accumulate.
Avoid ignoring unusual incidents by regularly documenting them as soon as they occur.

Standard Operating Guidance for:

Fleet Maintenance and Storage Yards

Purpose: To protect storm water using proper refuse storage, collection, transport, and disposal techniques; and proper techniques for maintaining a clean and organized facility.

Recommended Guidance	Suggested Frequency	
	Always	Whenever Possible
Store chemicals, wastes, and vehicles inside whenever possible to minimize their potential to pollute storm water.		X
Designate an outdoor covered facility to store vehicles and equipment that will not fit in the indoor facility.		X
Perform fleet maintenance and equipment repair indoors or under a designated covered facility.		X
Use drip pans and other containment devices to prevent spills while servicing vehicles.	X	
Store containers and equipment above the ground on pallets or similar structures.		X
Label all vehicles and equipment with leaking fluids by placing a tag on the steering wheel or handle to alert users of leaks.		X
Designate a centralized station for cleaning all parts indoors.	X	
Practice good housekeeping by draining oil filters before disposal or recycling.	X	
Store discarded materials in appropriate waste containers (i.e. when moving fluids from drip pans)	X	
Use absorbent material to contain drips/leaks when repairing equipment and vehicles.	X	
Regularly pickup and dispose of waste materials and scrap equipment.	X	
Label and seal industrial materials/containers and store them above the ground.		X
Regularly inspect the storage conditions of equipment, drums, tanks, and containers to ensure good housekeeping.	X	

Procedures/Practices to Avoid
Never store hazardous materials in highly trafficked areas.
Never park or store leaking vehicles or equipment outdoors or near any structures that convey storm water.
Never use gasoline as a cleaner or solvent.
Never dump any used cleaners down the floor drains, sinks, storm drain, on the ground or into the air.
Avoid using toxic chemicals and/or materials unless absolutely necessary.
Avoid putting equipment into storage without cleaning it first.

Standard Operating Guidance for:

Vehicle and Equipment Fueling Areas

Purpose: To prevent contamination of storm water by using proper cleaning, fueling techniques, proper fueling locations, and proper techniques for maintaining a clean and organized fueling facility.

Recommended Guidance	Suggested Frequency	
	Always	Whenever Possible
Use a designated fueling area with a spill kit and covered garbage container located nearby.		X
Remain attentive while refueling vehicles/equipment and within view of the hose nozzle during fueling operations.	X	
Become knowledgeable regarding spill response procedures and know how to act in the event of an adverse incident.	X	
Fuel small engine equipment over a paved (concrete) area when refueling equipment in the field.		X
When pouring fuel in the field, use a designated gas can and a funnel.	X	
If a municipal facility is planned in the future, design the site to grade so storm water is diverted away from fueling areas.	X	
Use filling stations that have spill clean-up material near the fueling area.		X
Report any leaks as a result of fueling	X	
Clean-up spills immediately with absorbents, and properly sweep up and dispose of absorbent material.	X	
Inspect public fueling areas used for municipal purposes on a regular basis.		X
Maintain all municipal fueling equipment in good working order and in accordance with local, state and federal laws.	X	
Inspect fuel storage tanks/equipment for corrosion, structural failure, cracks, and physical damage to container systems.	X	

Procedures/Practices to Avoid
Never store fuels near storm inlets or waterways.
Never allow fuel to enter storm drains.
Avoid fueling vehicles/equipment in locations where a fuel spill could enter into the sanitary sewer.
Avoid hosing down fueling areas when possible.
Avoid spills by not over fueling vehicles/equipment.

Standard Operating Guidance for:

Vehicle and Equipment Washing Areas

Purpose: To prevent contamination of storm water by using proper cleaning, washing techniques, proper washing locations, proper disposal of wash water, and proper techniques for maintaining a clean and organized facility.

Recommended Guidance	Suggested Frequency	
	Always	Whenever Possible
Regularly inspect and maintain washing equipment.	X	
Maintain the proper rate of water for all hoses, wands, and nozzles.	X	
Use phosphate-free and biodegradable detergents during pressure washing.		X
When washing without detergents direct wash water to vegetated areas.		X
Control wastewater delivery by installing curbs/berms at outdoor wash locations.		X
Insert drain guards (filters) to catch sediment and surfactants that may enter the storm drains when washing.		X
Wash water effluent should be discharged to the sanitary sewer system.		X
Vehicle/equipment washing should only occur at designated areas (preferably indoors).		X
Practice good housekeeping by spraying/washing away from storm drains and water wells.	X	
Regularly sweep sidewalks and pavement or mop floors in the vicinity of designated washing areas.	X	

Procedures/Practices to Avoid
Never store detergents that contain petrochemicals near storm inlets or waterways.
Never allow wastewater enter storm drains.
Avoid washing vehicles/equipment in locations where wastewater cannot discharge to the sanitary sewer.
Avoid hosing down sidewalks/pavement areas when possible.
Avoid over applying detergents when washing vehicles/equipment.

Standard Operating Guidance for:

Landscaping and Maintenance of Vegetation

Purpose: To prevent contamination of storm water by using proper stabilization, mowing, irrigation, and watering techniques. Maintaining adequate vegetation control standards reduces the likelihood of organic matter and other pollutants from entering storm sewers and surface water.

Recommended Guidance	Suggested Frequency	
	Always	Whenever Possible
Encourage growth of bank vegetation in riparian areas, including trees and shrubs.	X	
Set mower blades on higher setting to avoid scalping during mowing, cutting and vegetation removal.	X	
Collect grass clippings and all other clippings/trimmings and take offsite for disposal to City compost.		X
Ensure minimal impact to soils and plants when working in and around the vegetated areas.		X
Properly dispose of debris/trash encountered near detention basins and all other landscaped and vegetated areas.	X	
Remove unwanted vegetation adjacent to inlet and outlet structures that may interfere with operation.	X	
Remove or redistribute mulch in locations where it is greater than 2 inches thick.		X
Prune trees and bushes to maintain neatness and to prevent encroachment on smaller plants.		X
Plant native plants that are adapted to local conditions.	X	
Use a vacuum truck to remove litter and sediment from sumps and/or forebays.		X
Replace unhealthy or dead plants and trees to ensure water quality treatment capabilities are maintained.		X
Use trash tongs to remove litter during vegetation control efforts.		X
Vegetated areas requiring maintenance should be flagged for replacement when conditions allow.	X	
Thin vegetation to maintain original balance and proportion of species in the vegetated areas.	X	
Use untreated, shredded, hardwood mulch to inhibit weed growth and protect plants as necessary.		X
Maintain at least a 10-foot, non-mowed buffer during vegetation maintenance in riparian areas.		X

Procedures/Practices to Avoid
Never over apply or use acidic ammonia-based products when applying fertilizers, pesticides or herbicides to maintain plant vigor.
Never hose down anything into a rain garden, sediment may clog vegetated areas and impede the process of infiltration.
Avoid mowing or using heavy equipment after or during rain events when ground is soft.
Avoid applying landscaping chemicals near detention basin inlet structures where residue could wash in during a storm event.
Avoid cleaning/maintaining equipment near detention basins or near storm water conveyance structures.

Standard Operating Guidance for:

External Building Maintenance

Purpose: To prevent contamination of storm water by using proper cleaning, grounds keeping, painting, and waste disposal techniques. Controlling building maintenance and construction activities at municipal facilities reduces the likelihood of pollutants entering storm sewers and surface waters.

Recommended Guidance	Suggested Frequency	
	Always	Whenever Possible
Encourage infiltration by directing wash water absent of cleaning agents into vegetated areas		X
Cover storm drains with inlet covers, wattles, and/or booms prior to performing any outdoor washing.	X	
Wash buildings/facilities on dry days under favorable weather conditions.		X
Minimize water use by prioritizing dirty areas rather than power washing an entire building.		X
Properly dispose of wash water containing chemicals into the sanitary sewer system.	X	
Capture suspended solids by using absorbent pads, booms and other removal devices.		X
Mix paints on impermeable ground (preferably indoors) as a precautionary measure to prevent spills	X	
Keep an inventory of ongoing work, and document any spills/problems that occur	X	
Use dry methods to clean paint and/or other spilt materials.		X
Solidify unused paints prior to disposal in the trash.	X	
Dispose of oil-based paints properly along with other hazardous wastes.	X	

Procedures/Practices to Avoid
Never allow wash water containing chemicals agents, paint, or any other maintenance residue to enter the storm sewer system.
Never allow public contractors to work in conflict with standard operating guidance at municipal facilities.
Avoid allowing fluids to flow into roof drains, downspouts or any other storm water conveyance structure.
Avoid using oil-based paints and thinners whenever possible.
Avoid allowing trash/debris to accumulate around outdoor building/facilities.

Standard Operating Guidance for:

Road and Bridge Maintenance

Purpose: To prevent contamination of storm water from municipal roads and bridges by using proper maintenance, cleaning, painting, and waste disposal techniques. Controlling residual oils, solids, grease, chemicals, trash and other wastes found on road ways reduces the likelihood of pollutants entering storm sewers and surface waters.

Recommended Guidance	Suggested Frequency	
	Always	Whenever Possible
Minimize pesticides and application of other chemical agents.		X
Maintain roadside vegetation and stabilize any disturbed soils.	X	
Cover manholes and catch basins prior to performing any paving, patching, striping, etc.	X	
Perform cleaning/paving/road maintenance on dry days under favorable weather conditions.		X
Divert storm water run-off from bridge catch basins to vegetated areas.		X
Properly store dry and wet materials under cover, away from drainage areas.	X	
Capture suspended solids by using tarps during maintenance activities.	X	
Remove all tracking from paved surfaces near maintenance site.		X
Install temporary inlet protection if milling is required.	X	
Apply and cure a uniform tack coating prior to placement of overlay.	X	
Clean-up equipment and maintenance vehicles according to the SOG.	X	
Clean-up any debris that accumulates on traveled roads and ensure proper disposal.	X	
Keep an inventory of required maintenance and personnel in log book or journal.		X
Following required road maintenance, sweep gutters to remove loose aggregate (after pavement has cooled).	X	

Procedures/Practices to Avoid
Never perform road or bridge maintenance with vehicles or equipment that leak fluid.
Never perform maintenance on roads/bridges if flaking paint is present.
Never perform maintenance on roads/bridges if active bird nests are present.
Avoid mixing excess amounts of concrete/asphalt on-site.
Avoid allowing particulate matter and debris to accumulate by regularly sweeping and vacuuming roadways.

APPENDIX H

Industrial Storm Water Runoff

City of Alabaster Industrial Facilities Inventory

Facility	Address	Latitude, Longitude	Permit #	Notes
AGC Automotive Alabama, INC.	101 Total Solutions Way	33.18986, -86.78932	ALG230057	Permit active, expires 9/30/27
Andress Engineering Associates, Inc.	131 Airpark Industrial Road	33.19741, -86.78479	ALR000016758	SQC, Uand oil activities
Bama Concrete	2180 Highway 87	33.192778, -86.782222	ALG110115	Permit active, expires 8/31/27
Barron Fan Technology, Inc.	301 Industrial Road	33.256501, -86.817739	ALG120438	Permit active, expires 9/30/22
Deshazo Crane Company	190 Airpark Industrial Road	33.20289, -86.78533	ALG120753	Permit active, expires 9/30/27
Ebox Inc.	101 Airpark Industrial	33.19658, -86.78016	ALR00005363	
Kirkpatrick Concrete Alabaster Plant	1180 Fulton Springs Road	33.213889, -86.815000	ALG110266	Permit active, expires 8/31/27
Lhoist North America of Alabama LLC	404 1st Avenue West	33.245050, -86.821100	AL0024473	Active Permit, expires 4.30.28
Maclean Cleaning System	1909 Highway 87	33.190783, -86.780799	ALG120469	Permit active, expires 9.30.22
Magnum Products	166 Longview Circle	33.198243, -86.777358	TRI Facility , ALR000034264	Sheetrock oil manufacturer
Mitchell Concrete Specialities LLC	499 Highway 31 South	33.220556, -86.7975	ALG110108	Permit active, expires 8/31/2027
Progressive Finishes, Inc.	501 Industrial Road	33.256817, -86.820695	IU365900321	Permit active, expires 7.31.2026
Rio Stone Group LLC	245 Scotland Drive	33.186386, -86.758232	ALG230082	Active Permit
Saginaw Recycling LLC	22 Shady Acre Lane	33.217282, -86.798108	ALG180663	Active Permit
Sealing Equipment Products Company	123 Airpark Industrial Road	33.196268, -86.784031	ALR000010405	SQC, Used oil activities
Shelby Baptist Medical Center	1000 1st St N	33.254469, -86.814107	ALR000051441	RCRA regulated
Shelby Concrete - Alabaster	2260 County Road 87	33.194889, -86.778114	ALG110477	Permit active, expires 08/31/2022
Specification Rubber Products, Inc.	1568 1st Street North	33.263039, -86.810290	ALG200029	Permit active, expires 9/30/27
Spectrum Industrial Services Inc.	125 Spectrum Cove	33.197612, -86.78292	ALR000044743	
Supreme Cores Alabama, Inc.	2595 Highway 87	33.200328, -86.778988	ALG230061	Permit active, expires 9/30/27
Thompson Tractor Company, Inc.	2070 Corporate Woods Drive	33.193824, -86.786637	ALR000039362	Used oil activities
Unified Design and Manufacturing	147 Airpark Industrial Road	33.199364, -86.785249		
UPS Shelby	180 Airview Lane	33.191679, -86.789955	ALG141086	Permit active, expires 9/30/2022

Green = Active permit
Yellow = Need to inspect
Red = No renewed permit, needs inspection

STORM WATER DISCHARGE INSPECTION

For Industrial and Commercial Facilities

(Alabaster Municipal Code # 50-32 -Statutory Authorization)

Inspection Team: Casey Nowell Date: _____ Time: _____

Facility Name		
Facility Contact and Title		
Facility Street Address		
City	State	Zip
Phone Number	Fax Number	

Business License No. Facility Size (acres) _____ (rounded to nearest tenth)

Provide a description of facility and the nature of work performed.

Provide a description of significant materials that are currently, or were formerly, treated, stored or disposed outside the facility or commercial establishment; materials management practices currently used to minimize contact of these materials with storm water runoff; and a description of any treatment the storm water receives prior to discharge.

Cleanup schedule for debris, material storage areas, garbage storage or disposal areas, or other areas that have the potential to pollute storm water.

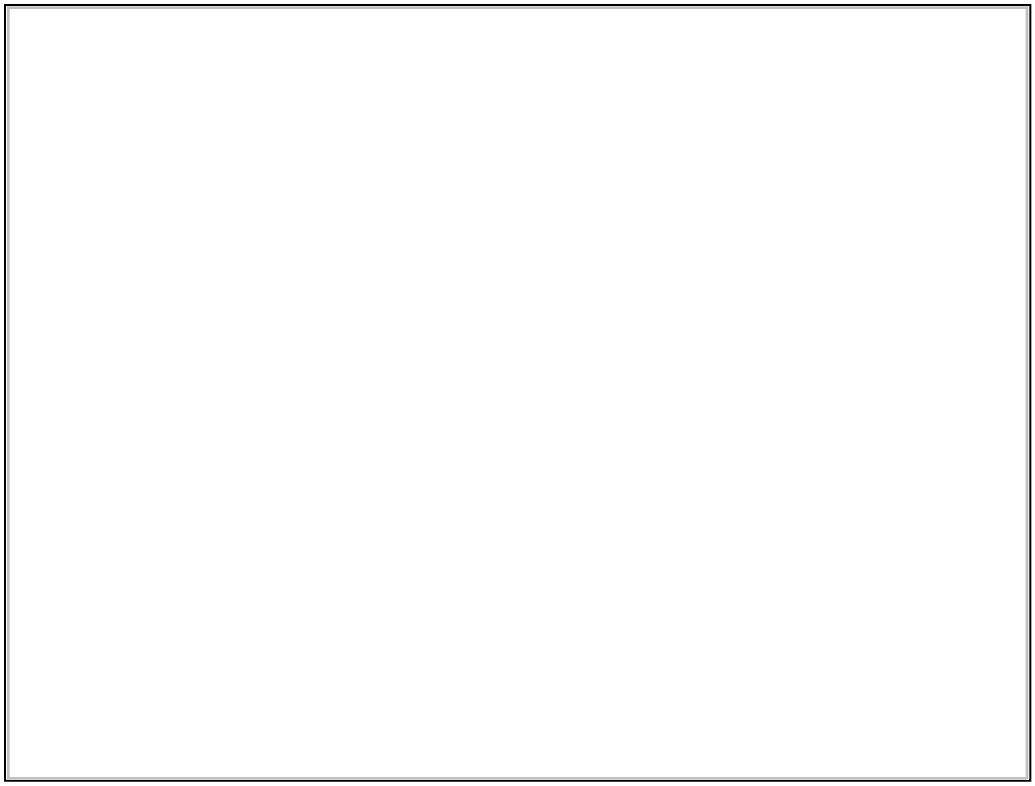
Description of plan of instruction, to employees of all levels, in ways to prevent storm water pollution. Identify periodic dates for such training.

Provide a site map showing existing buildings, parking, drives, type of each impervious surface, ditches, pipes, catch basins, drainage basin limits, area of facility, discharge points from the property or to Community Waters, and the name of the receiving waters.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system design to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name of Inspection Team Member	Title
Signature Casey Nowell	Date

Printed Name of Inspection Team Member	Title
Signature	Date



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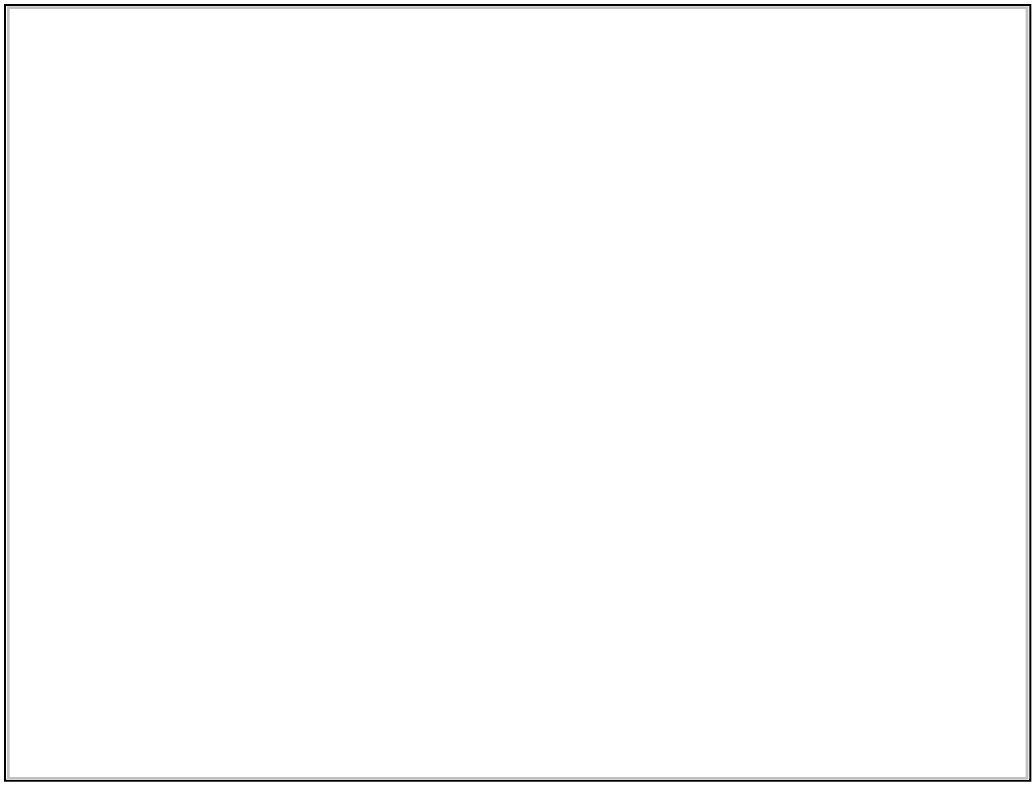

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