

CITY OF LEEDS, ALABAMA

PROGRAM YEAR 2018

ANNUAL STORMWATER REPORT

FOR

ALABAMA DEPARTMENT OF ENVIROMENTAL MANAGEMENT

Submitted By: BRAD WATSON
Zoning Administrator
City of Leeds

Prepared by
City of Leeds
(205) 699-0907

CERTIFICATION

CITY OF LEEDS, ALABAMA

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

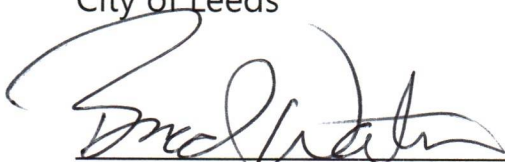
David Miller, Mayor
City of Leeds, Alabama

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Signature

Date June 30, 2019

Brad Watson, Zoning Administrator
City of Leeds

A handwritten signature in dark ink, appearing to read "Brad Watson", written over a horizontal line.

Signature

Date June 30, 2019

Phase II Annual Report - 2018

1. Introduction

The City of Leeds is an urbanized area. The urbanized area was designated by the United States Environmental Protection Agency (USEPA) and the Alabama Department of Environmental Management (ADEM) as a phase II municipal separate storm sewer system (MS4). The City of Leeds received a National Pollutant Discharge Elimination System (NPDES) Phase II General Permit for stormwater discharge from ADEM (Permit ALR040047). The SWMP for Leeds put in place its plan in 2016, and an annual report is due by May 31, 2019. The annual report is to show the programs and progress made during the year to address stormwater in the city.

2. What is the MS4 Program?

Untreated or uncontrolled stormwater runoff is the number one cause of impairment in our waterways. Polluted runoff is often transported through a municipal drainage system until it eventually discharges into streams, lakes, and rivers untreated. An MS4, or Municipal Separate Storm Sewer System, is comprised of drainage systems, including streets, catch basins, curbs, gutters, ditches, human-made channels, and storm pipes, owned by a state, county, city, township, or other public entity. The NPDES stormwater Phase II regulation requires permit coverage for stormwater discharges from MS4s, mainly those located in urbanized areas.

MS4 Programs are intended to improve our nation's surface waters by reducing the quantities of pollutants that are picked up by runoff and transported into the stormwater system during rainfall events. As part of the MS4 Program, municipalities hold and maintain a stormwater management program that (1) reduces the discharge of pollutants to the maximum extent possible; (2) protects water quality; and (3) satisfies the water quality requirements of the federal Clean Water Act. (epa.gov search CLEAN WATER ACT)

The MS4 program has six elements termed "minimum control measures" (MCM) that when implemented, should result in a significant reduction in

pollutants discharged into receiving waters. The six minimum control measures are (1) Public Education and Outreach (2) Public Participation/Involvement (3) Illicit Discharge and Elimination (4) Construction Site Runoff Control (5) Post Construction Runoff Control (6) Pollution Prevention/Good Housing.

The Annual Report reflects on each MCM the action, results, and future actions.

Storm Water Program Evaluation

Major Accomplishments:

Community Cleanup

The Program completed a successful community cleanup in which 50 persons participated and removed 1.3 tons of material from roadways throughout the city.

Reduction of complaints

The number of citizen complaints increased to 3 complaints in the program year 2017. As most citizens generated complaints- in Leeds – historically center around issues related to failures of BMPs. The City has invested significant resources in ensuring that BMP's are installed and maintained correctly. The success of this effort has resulted in the reduction of citizen complaints for the 2017 program year.

Outfall Testing

The City continued its outfall testing in the program year 2018, with the city completing its testing all outfalls. The city plans to test approximately 20% of all outfalls each year.

Future Direction of the Program

The City expects to continue with the programs it currently has in place and continues to formulate and gain stakeholder support for its proposed LEED regulations.

SWMPP Effectiveness

The SWMPP appears to be functioning as is evidenced by our water sampling program.

MCM 1. Public Education and Outreach

Permit Requirements:

The Public Education and Outreach requires the city to implement and evaluate a program that distributes educational material to the community or conducts equivalent outreach activities about the impact of polluted discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff to the maximum extent possible.

1. Targeted Audience: Public, schools, elected officials, developers, contractors, professional groups, and civic clubs.

Current Programs: (BMP)

A. Brochure Publications- The City employs a brochure campaign to educate citizens on the importance of proper stormwater pollution prevention. Brochures covering a wide variety of topics including but not limited to fertilizers, Household Hazardous Waste Disposal, Erosion, and Sedimentation Control and Pet Waste Disposal, Storm Water Fees, Pesticides and Watershed Protection. In Program Year 2018, the City distributed over 1000 brochures to permit applicants. Additionally, the City has included storm water educational materials to residents during its point of contact events, i.e., code enforcement actions, zoning cases, and permitting process.

B. Website – Citizens often use web-based material to get relevant information on a program's effectiveness. Information is available anytime and from anywhere in a format that can be instantly updated. Allowing citizens who do not have the time or transportation to meet staff during employees during regular business hours to express their concerns and to get information on watershed management in the City. The goal of the website is to provide interactive stormwater quality information, current program updates, publications, and citizen outreach programs. Links allow residents to view the City's SWMP, Maps, and Annual Report.

C. Pet Waste Disposal Stations – The City has placed doggy stations in all parks. Additionally, proper pet waste disposal information is available as part of the city's "Scoop Away the Pet Waste" brochures and education program.

D. Recycling – The City operates a permeant recycling station at 1440 9th St, Leeds, AL 35094, Tuesday - Friday 9AM-4PM and Saturday between 7:30AM-12: 30 PM. The facility accepts Aluminum Cans, Cardboard, Newspaper, Office Paper, and Plastics. In the program year 2018, the facility collected 34 tons of material. The City performs this service in conjunction with its waste management contractor

F. Report a Concern – The city maintains a website to accept the concerns of citizens regarding issues related to the MS4. The City maintains a database of these inputs as well as information related to the complaint from inception through complaint termination; This allows the City to have a comprehensive monitoring program. This program promotes the empowerment of citizens to stop illicit discharges. The Storm Water Hotline allows citizens to call in an illicit discharge or file a complaint online.

These measurable goals were accomplished well enough for the city to have a good foundation for future programs.

Future Programs:

The City shall maintain its current programs in the program year 2019.

MCM 2. Public Involvement/Participation

Permit Requirements:

Public Participation/Involvement requires the city to implement and evaluate a program centered on the SWMP and the annual report. The development of this program is accessible to the public throughout the process. The ongoing activities for public involvement may include advisory councils, watershed associations, committees, stewardship, programs, and other environmental related activities. Once approved, the SWMP is available on the City's website.

Targeted Audience: Public, schools, elected officials, developers, contractors, professional groups, and civic clubs.

Current Programs:(BMP)

A. Public Participation -The City invites public input into its programs by presenting information at City Council Meetings, Zoning Meetings, Festivals and Parades, Website and during its typical day to day business.

B. Brochures – The City of Leeds has prepared brochures designed to target various groups, i.e., contractors, homeowners, pet owners, and other stakeholders. The brochures are designed to educate the public on how their behaviors impact water quality. Webcasts – The webcast forum allows public viewing of stormwater management practices through streaming online video.

C. Public Presentations – The program conducts a variety of public presentations to river organizations, contractors, business industry, and neighborhood organizations; all of which targets a specific audience.

D. Erosion and Sedimentation Control Workshops – To educate contractors, developers, and engineers; the city promotes their attendance at a series of workshops and continuing education events. The content of these workshops ranges from erosion and sedimentation control of overall pollution and illicit discharge control. The workshops are offered twice a year. The City incentivizes builders and developers to attend and obtain QCI certification.

Measurable Goals:

The City's BMP to involve more public participation by leveraging technology, public presentation, and stakeholder workshops have proven to be successful in communicating the goals of the program. In 2018 the City shall continue to

involve city boards and civic groups to help plan and participate in the stormwater projects and continue the Storm Water Board.

MCM 3. Illicit Discharge Detection Elimination (IDDE)

Permit Requirements:

The City has an ongoing program to detect and eliminate illicit discharges into City's MS4. The program is designed to ensure proper disposal of pollutants, including spills under the purview of another responding authority, into the MS4 owned or operated by the city to the maximum extent possible.

Targeted Audience: Public, schools, elected officials, developers, contractors, professional groups, and civic clubs.

Current Programs: (BMP)

- A. Educating the Public with pamphlets, newspaper articles.
- B. Educating elected officials and the public through workshops.
- C. Recycle bins are at the public works shop with signs to encourage recycling.
- D. A sampling at discharge locations.

Measurable Goals:

The City began testing outfall locations to analyze for pollutants and has established a database to track this information.

The City completed testing at all 28 outfalls along the Little Cahaba River. The City has conducted both wet weather and dry weather testing of 28 sites in 2018, with testing results within normal parameters. The City shall perform water sampling and testing to detect IDDE. The resulting datasets from the testing are used by the city to characterize the waterways within the city.

The city has achieved many of the measurable goals, such as setting up recycling and educating the public and official about illicit discharge. The city

also has sampled at designated outfall locations, and the results posted on the city's web site for public information.

The City of Leeds continues to build upon its existing mapping of stormwater infrastructure with ongoing data collection. This data logged into the city's GIS system for archival purposes, analytics, and presentation to the public.

Future Programs:

The city adds data and works toward presenting this data to the public via its website.

The City maintains brochures that reflect how illicit discharge gets in the stormwater; changing your auto's oil, fertilizing your lawn, tending your pets, disposing of chemicals. Public Notices on properly disposing of all items for recycling, location, and contacts.

Add information to a web site on disposing of items with links to recyclers.

MCM 4. Construction Site Storm Water Runoff Control

Permit Requirements:

The City must develop, implement, and enforce a program to reduce, to the MEP, pollutants in any stormwater runoff to the regulated MS4 from construction activities that result in a total land disturbance of greater than or equal to one acre and activities that disturb less than one acre but are part of a larger standard plan of development or sale that would disturb one acre or more.

Targeted Audience: Public, schools, elected officials, developers, contractors, professional groups, and civic clubs.

Current Programs: (BMP)

- A. Educating the Public with pamphlets, website articles concerning construction sites.
- B. Ordinance for the construction site - the city has an ordinance that requires fencing, trenching and ponding to control runoff from polluting the stormwater.
- C. Web site - add the ordinance and rules for construction site preparation for the Public with links to other agencies.

Measurable Goals:

The city has in place a program for educating the public with newspaper articles, pamphlets, and web site. The web site provides a link to the city ordinance that pertains to stormwater runoff and pollutants.

In the calendar year, 2018 the City issued 10 land disturbance permits for project sites which were 1 acre or less in the City of Leeds. One hundred forty-four unique inspections were performed during the permitted construction process to ensure that BMP's were installed and maintained in conformity with the Alabama Handbook.

For sites, greater than one acre, the City verifies that ADEM has issued an NPDES permit before the commencement of land disturbance activity. While the City monitors these sites, the city is dependent upon ADEM for compliance and enforcement activity at these sites.

The City implemented its website and continues to improve the site with its goals of informing the public to encourage its participation in improving water quality.

Future Programs:

Continue in 2019 the programs that are already in place.

Review all ordinances to make sure they cover all construction sites with enforcement authority.

MCM 5. Post-Construction Storm Water Management in New Development and Redevelopment

Permit Requirements:

The City has developed and implemented a more robust project review, approval, and enforcement procedures for new development and redevelopment projects that disturb greater than one acre, and projects less than one acre that is part of a larger standard plan of development or sale. The approval and enforcement processes are now viewable to the public via our online system; making our processes and enforcement actions transparent to the public.

Targeted Audience: Public, schools, elected officials, developers, contractors, professional groups, and civic clubs.

Current Programs: (BMP)

Continue in 2019 the programs that are already in place.

The City has made as part of its SOPs to notify ADEM – via its online complaint system – of all stormwater violations which impact lands and waters that are Tier 1 & 2 complaints.

Post Construction – Structural – The City conducts routine maintenance of the post-construction stormwater control structures it has direct responsibility.

The City has accomplished putting its objectives in motion and continues to improve the web site and to inform the public for more participation. The website undergoes a refurbishment each year simultaneous with the submission of this report.

Future Programs:

Continue in 2019 the programs that are already in place.

The City will on an annual basis reviews its stormwater ordinance to verify that it is compliant with State and Federal Law.

Continuously add construction sites to mapping for future pollutant information.

MCM 6. Pollution Prevention/Good Housekeeping for Municipal Operations

Permit Requirements:

The City continues its prevention/good housekeeping program for municipal operations.

Targeted Audience: Public, schools, elected officials, developers, contractors, professional groups, and civic clubs.

Rationale Statement:

The city has a program that includes a litter program that regularly retrieves litter along the right-a-way and drainage ditches. The City performs ongoing inspections of city operations and infrastructure to ensure that all areas are littler free as part of its good housekeeping program. Additionally, all illicit product or other pollutants are maintained and disposed of properly. This program is directed and maintained by the street department supervisor.

Current Programs: (BMP)

Continue in 2019 the programs that are already in place that informs the public of the need to maintain good housekeeping to eliminate stormwater pollution.

Annual Clean-up Campaign: The city has a litter program that picks up trash before it pollutes the stormwater. During 2018 the City conducted a Spring City clean-up event during which 50 volunteers picked up 1.3 tons of roadside litter.

Street Sweeping -The City conducts scheduled street sweeping of its streets, this service prevented some 111 yards of material from entering the MS4 in 2018.

Bulk Waste Pick-up – The City requires residents of single family and small multi-family properties to subscribe to its bulk waste program. The City removes approximately 3045 tons annually of bulky waste material.

Household Garbage – The City requires residents to subscribe to trash service. This program reduces the opportunity for trash and household waste to enter the MS4 and serves over 3 thousand households in the City of Leeds.

Measurable Goals:

The city has in place a program for educating the public with direct mailings, pamphlets, and web site. The web site has a comment section for making comments concerning pollution and housekeeping. The city has a litter program that works consistently removing litter from the city and has a recycling program.

The City has accomplished good housekeeping by putting most of the goals in motion and having a proactive litter enforcement program. The city continually works to improve the web site and informing the public for more participation.

Future Programs:

Continue in 2019 the programs that are already in place.

Increase community involvement by facilitating clean-up days and inviting civic groups and organizations to participate in the program. Review all comments on web site and react to any reported pollution issues
Continue analytic systems to improve our understanding of our resident's behaviors as it related to water quality.

This report is prepared by:

Brad Watson
City of Leeds, Alabama
1404 9th St
Leeds, AL 35094
205-699-0907 office
205-577-1484 cell