

**ANNUAL  
MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)  
REPORT**

**NPDES STORMWATER PERMIT  
NUMBER ALS000002  
Saraland, Alabama  
Volkert Job Number 660117.10**

*Prepared for:*

**The City of Saraland  
Mayor Howard Rubenstein  
716 Highway 43  
Saraland, Alabama 36571**

**December 2012**

*Prepared by:*

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# TABLE OF CONTENTS

	<u>Page</u>
1.0	CERTIFICATION AND INTRODUCTION .....1
1.1	Certification .....1
1.2	List of Contacts .....2
1.3	General Introduction .....3
1.4	Overview and Summary .....4
2.0	PROGRAM EVALUATION .....5
2.1	Objective of the Program .....5
2.2	Major Findings .....6
2.3	Overall Program Strengths/Weaknesses .....7
2.4	Future Direction of the Program .....8
3.0	SUMMARY TABLE .....9
3.1	SWMP Element Status/Compliance .....9
4.0	NARRATIVE REPORT .....10
4.1	Educational Activities/Public Participation and Involvement .....10
4.2	Monitoring and Screening .....12
4.3	Illicit Inspection/Investigation/Enforcement .....13
4.4	Spills .....14
4.5	Development Planning Procedures .....15
4.6	Construction Planning Procedures .....16
4.7	Construction Inspections .....17
4.8	Pesticides, Herbicides, and Fertilizers .....18
4.9	Roadway Maintenance .....19
4.10	Structural Controls Maintenance .....20
4.11	Industrial Inspection .....21
4.12	Flood Management .....22
4.13	Municipal Facilities .....23
4.14	Oil and Household Hazardous Waste .....24
4.15	Sanitary Sewer Seepage .....25
5.0	SUMMARY OF PROPOSED MODIFICATIONS .....26
6.0	FISCAL ANALYSIS .....27
6.1	Past Fiscal Year .....27
6.2	Current Fiscal Year .....27
7.0	MONITORING RESULTS .....28
7.1	Monitoring Locations .....28
7.2	Wet Weather Data .....30
7.3	Dry Weather Data .....31
8.0	SUMMARY .....32

APPENDIX A - SAMPLING MAP  
APPENDIX B – SAMPLING DATA  
APPENDIX C – PAMPHLETS  
APPENDIX D – LETTER TO ADEM

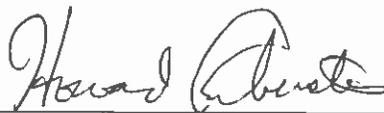
## 1.0 CERTIFICATION AND INTRODUCTION

### 1.1 Certification

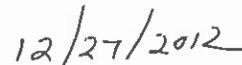
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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.

The Honorable Howard Rubenstein

Mayor, City of Saraland



Signature



Date

## 1.2 List of Contacts

The following individuals may be contacted to address questions or concerns regarding this report:

**The Honorable Howard Rubenstein**  
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### **1.3 General Introduction**

On November 16, 1990, the U.S. Environmental Protection Agency (EPA) promulgated regulations, under the Water Quality Act of 1987, setting forth application requirements for National Pollutant Discharge Elimination System (NPDES) storm water permits. The Alabama Department of Environmental Management (ADEM) administers the storm water program for the State of Alabama. Although the Federal regulations required municipalities with a population of 100,000 or more to participate in the Phase I permitting process, ADEM exercised the right to designate the City of Saraland as requiring a Phase I storm water discharge permit in lieu of the Phase II permit for smaller systems. The City of Saraland is submitting this report as part of a group permit annual requirement for the NPDES permit number ALS000002.

## 1.4 Overview and Summary

On November 16, 1990, the Environmental Protection Agency (EPA) ruled that municipalities and industry share the responsibility to improve water quality of the "Waters of the United States". In accordance with this rule, the EPA created regulations for NPDES Storm Water Permits for municipalities and permits associated with industrial activity. These regulations are aimed at reducing the amount of non-point source pollution that is currently the leading cause of water pollution.

The Water Quality Act involves a two-phased municipal permitting program that requires municipalities of certain populations to establish discharge controls to the Maximum Extent Practicable (MEP), to effectively prohibit non-storm water discharges to the municipal separate storm sewer systems, and where necessary, to contain applicable water quality based controls. Compliance with the maximum extent practicable requirement can be attained by developing a storm water management plan that addresses the six minimum control measures described in the storm water regulations and detailed in fact sheets developed and provided by EPA.

Although the Phase I permitting program is designed for municipalities with populations of 100,000 or greater, municipalities of smaller populations can be designated as co-permittees by the local authority administering the program. The City of Saraland (City), with a 2011 population of 13,416, according to the U.S. Census Bureau, is an example of such a municipality.

The City utilizes current personnel to administer the storm water program elements. Additional assistance is provided by local engineering firms and Mobile County, as needed during crises or emergencies such as floods, spills, or hazardous waste incidents.

Storm water is managed by several City departments and by community activities which involve volunteer work. The City does not have the financial resources to dedicate personnel solely to storm water quality, however these responsibilities are shared by employees and considered part of the effort to protect our streams and waterways from degradation.

## **2.0 PROGRAM EVALUATION**

### **2.1 Objective of the Program**

The City of Saraland, in conjunction with other municipalities in Mobile and Baldwin Counties, was placed under a National Pollutant Discharge Elimination System (NPDES) Permit for storm water discharges. The permit was effective on June 14, 1996 and assigned the permit number ALS000002. The permit was renewed for a second five-year period on September 24, 2001 and is currently under an administrative extension by ADEM while the permit is being modified. The intent of the NPDES permit is to reduce and eliminate pollutants in storm water that are discharged from municipal separate storm sewer systems (MS4s). In accordance with the issued NPDES, the reporting period for items contained in this report is October 2011 through September 2012.

Currently ADEM is working with permittees and EPA to modify the program requirements. The permit is divided into Phase I and Phase II permittees. The City of Saraland is included in a Phase I permit. ADEM issued the revised Phase II permit in February, 2011. Refer to Section 5.0 SUMMARY OF PROPOSED PROGRAM MODIFICATIONS for the City's future direction of this program.

The City of Saraland is dedicated to achieving the conditions of this permit, which will ultimately improve water quality by reducing pollutants in receiving waters. The City's goals are to educate the municipal employees and the general public on the storm water management program and focus on a unified approach to the identification and correction of problems areas. Additionally, the City has established the legal authority to manage and enforce the requirements of the program.

## 2.2 Major Findings

Dry weather screening was performed for the one major outfall and nineteen field screening locations. These sites are listed in Section 7.1 and detailed on maps included in Appendix A. The objective of dry weather screening was to identify illicit discharges. No illicit discharges were noted for any of the sites during inspections. In addition a wet weather screening was performed on the major outfall and a sample was obtained for analysis during this screening. Inspection results are presented in Section 7.2 and 7.3 along with representative outfall data in Appendix B.

### **2.3 Overall Program Strengths and Weaknesses**

The City has developed and implemented many programs to help minimize storm water related pollutant loads. City Ordinance 664, passed in 1998, establishes procedures to control discharges from commercial and industrial facilities and construction sites. Areas that would benefit from drainage improvements are established, prioritized and updated as needed.

The program elements are the responsibilities of multiple City Departments. The Department Supervisors include the Chief Building Official, Public Works Supervisor, Sewer Superintendent, Chief of Police, Fire Chief, and the Environmental Patrol Officer. Employees in all City departments have received instruction on the program objectives and are provided with opportunities to attend educational programs.

The prediction of the long-range financial requirements needed to support the storm water program is difficult especially since forthcoming modifications to the program are unknown. Funding for expanding the storm water management program is currently not available. The City officials address the financial needs and make budget allocations on a year-to-year basis that are prioritized based on the needs of the entire City operations.

## 2.4 Future Direction of the Program

The City will continue to implement and enforce the current ordinances and other programs regarding storm water issues to the maximum extent practicable. The City will continue to monitor designated outfall points and field inspection sites. The City will encourage community activity through education and outreach programs.

The City's building inspection department purchased hardware and the interactive permitting software package "Wise City" that assigns and tracks inspections and complaints. The next phase will be to implement online contractor/citizen interaction and bulletin boards at an estimated cost of \$5,000.

The City of Saraland, along with other smaller cities in Mobile and Baldwin Counties, were included in a Phase I permit with the City of Mobile. In March, 2012 the City requested to be removed from the MS4 program or at a minimum be revised to a Phase II permittee. The request is based the following factors: population, land use, receiving stream water quality, and documented history of water quality monitoring of the major outfall. This request is still outstanding and is currently being reviewed by ADEM.

### 3.0 SUMMARY TABLE

#### 3.1 Storm Water Management Plan Element Status/Compliance

#### CITY OF SARALAND

Program Element	Requirement	Activity Schedule			Comments
		Activities Required by SWMP	Complied With	Activities Accomplished During Calendar Year	
Structural Controls	Major Channels Inspections	6 Channels, once/month	Yes	6 Channels, once/month	Additionally, Before/After Heavy Rains
	Major Channels Maintenance	6 Channels, as needed	Yes	6 Channels, as needed	Additionally, Before/After Heavy Rains
	Storm Inlets Inspected	Approx. 5000 inlets, once/year	Yes	Approx. 5000 inlets, once/year	Additionally, Before/After Heavy Rains
	Detention Ponds	None	Yes	N/A	Maintained by Owner/Developer per City Ordinance
Monitoring	Representative	1 site, once/year	Yes	1 site, once/year	Summary, Section 7.0
	Wet Weather Screening	19 sites, once/year	N/A	19 sites, once/year	Not required.
	Dry Weather Screening	19 sites, once/year	Yes	19 sites, once/year	Summary, Section 7.0
Illicits	SSO's	Record/report occurrences	Yes	0 violations	No SSO's
	Investigations	Investigate reports/complaints	Yes	N/A	No problems noted
Construction	Site Inspections	14 visits per site during construction	Yes	57 res., 14 comm.	No citations issued
Industrial	Inspections	As Needed	N/A	All sites visited, as needed	No permitting RCRA facilities
Education	Litter Campaign	Maintain Program	Yes	-Keep Saraland Beautiful -Adopt a Spot	-Held several activities for encouraging litter pick up -12 Adopt a Spot locations
	Oil/Household Hazardous Wastes	Maintain City's web site Pamphlets	Yes	-Maintain City's web site -Provided Pamphlets	-Information available on storm water management - Pamphlet on Household Grease handling

## 4.0 NARRATIVE REPORT

### 4.1 Educational Activities / Public Participation and Involvement

Public participation is vital to controlling litter throughout Saraland. The City of Saraland has an "Adopt-a-Spot" Beautification Program that is led by the Saraland Chamber of Commerce. The goal of this program is to improve the natural beauty of Saraland with landscaping and to improve civic pride in the Central Business District (CBD) of Saraland. There are twelve (12) "Adopt-a-Spot" locations.

The City also has a "Keep Saraland Beautiful" program, which is an affiliate of the "Keep America Beautiful" program. The aim of this program is to preserve the natural beauty and environment of the City of Saraland and to improve waste handling practiced at the community level. The program uses a community-based approach to change the attitude and practices related to litter and waste handling. Specifically, the "Keep Saraland Beautiful" program focuses to improve the aesthetic and ecological value of the City through litter control and prevention, proper handling of solid waste, beautification, public education awareness, recruitment of volunteers, and the promotion of voluntary recycling. The program seeks community resources to improve sites such as streets, rights-of-way, parking lots, and recreational parks. "Keep Saraland Beautiful" activities include participating in the Great American Clean-up, 4<sup>th</sup> and 5<sup>th</sup> grade funky junky art contest, picking up litter at Exit 13, weekly service clean ups, paper-glass-plastic recycling, planting landscape along sidewalks, and organizing gardening workshops. "Keep Saraland Beautiful" also publishes a bi-monthly newsletter called "The Litter Getter". This year's city wide clean up days were April 21<sup>st</sup> and October 6<sup>th</sup>. The citizens are notified by email and paper advertisement.

The municipal court system utilizes alternative sentencing to provide workers to remove litter from city streets as a form of community service. The City of Saraland utilizes this service weekly on Saturdays. These workers are utilized on the most traveled roadways such as Celeste Rd, Shelton Beach, Shell St., Kali Oka Rd., Lafitte Road, Baldwin St., Cedar St., Hwy 158, Ridge Rd, Bayou Sara Ave., and Spartan Dr. The workers are supervised by the Mayor and City employees.

The City of Saraland educates their citizens through their website, pamphlets and through local organizations such as Keep Saraland Beautiful. The City's Web Site addresses storm water related issues and explains the purpose of the City's Storm Water Management Plan.

The City Building Inspection Department has made a concerted effort to increase public awareness by providing pamphlets to both residents and contractors on Grease Clean-Up & Disposal, Erosion & Sediment Control, Nuisance Control & Elimination, and the City Sign Ordinance. These pamphlets are available at the Building Inspection Department and are provided at pre-development and pre-bid meetings. Copies of the pamphlets are provided in the Appendix. Additionally, interested parties are also directed to the City's and EPA's website for additional information.

The City of Saraland provides education opportunities to their employees. Buildings officials attended the ICC Code Official of Alabama Association training, OWR training and attend monthly meetings of the Code Officials of Alabama Association when possible. The City of Saraland has provided for FEMA training and certification. Fire Department personnel attend classes as they become available. Hazardous materials refresher courses are conducted in-house annually by a certified instructor on staff with the Fire Department. The City has worked to certify all of its fire personnel and has obtained the necessary equipment in order to respond to both large and small spills without the assistance of outside agencies. The City Fire Department also provides an annual refresher course for the City Police Department on first response activities during a hazardous materials spill. Wastewater treatment employees attend seminars and classes on wastewater management, including emerging "green" technologies for wastewater systems.

## 4.2 Monitoring and Screening

Field screening locations and monitoring stations were selected based upon their proximity to major stream systems, drainage basins, and urban development. Field screening stations were examined during dry conditions to verify that flow exists only during rainfall events. Monitoring stations were located along water bodies that would receive runoff from overland flow and storm water outfalls. These stations were selected as representative of the regional drainage conditions within the City's boundaries. The major outfall and the nineteen field screening locations were reviewed for evidence of illicit discharges during the permit period. No illicit discharges were noted at time of inspection. Results of the 2012 Monitoring are included in Section 7 of this report.

### **4.3 Illicit Inspection/Investigation/Enforcement**

The City of Saraland responds to illicit discharges and continues to inspect, investigate, and enforce violations. No problems were reported during the permit year.

Routine dry weather screening is conducted by the City's Public Works Department. Suspected illicit discharges are investigated and handled immediately. There were no citations issued this permit year for illicit discharges.

#### **4.4 Spills**

The Saraland Police Department developed and implemented a Procedural General Order (PGO) for the reporting and handling of hazardous and/or toxic materials spills and incidents. In addition, the Saraland Fire Department has training in hazardous materials and their containment. The City's HazMat team is fully equipped to handle both large and small incidents. The City of Saraland received no reportable spills.

#### **4.5 Development Planning Procedures**

The Saraland Planning Commission was established in 1958 to advise the City Council on its Comprehensive Plan for current and future development within the City and Planning Jurisdiction of Saraland (an area of three miles beyond the city limits). The Code Administration section of the Building Department is responsible for protecting the health, safety, and welfare of the City of Saraland and its residents through enforcement of building, electrical, plumbing, mechanical, gas, fire standard, storm water management and other codes and ordinances adopted by the City of Saraland. The Land Use Administration is responsible for assuring that the regulations regarding land use are adhered to in order to facilitate the goals of the Comprehensive Plan. The City of Saraland also has a Long Range Planning Commission that consists of representatives from the Land Use Administration, the Building Department, the Planning Commission, the Code Administration, and other regulatory enforcement departments. Questions concerning any stages or procedures for developments are directed to the Saraland Building Department. The City's Ordinance 757 details all requirements for management of the storm water for proposed developments. The permit process details numerous inspections to verify that storm water measures are in place and properly managing the storm water.

#### **4.6 Construction Planning Procedures**

Construction planning procedures are organized through the merger of the Land Use, Planning, Code Administration, and other Regulatory Enforcement Departments of the City of Saraland. These agencies work to ensure that the goals and objectives of the City's Comprehensive Plan are upheld. Strict requirements regarding storm water management plans for construction sites are addressed in City Ordinance 664.

The City of Saraland Building Inspection Department inspectors review all new construction project plans for storm water compliance and drainage. The plans are reviewed for compliance with the City's adopted flood management plan. The City includes the elevation certificates and records in their files.

The City approved plans for 57 new residential and 14 commercial sites during this reporting period. A minimum of 14 inspections were performed for each site during construction. No citations for improper storm water management were issued for any of the sites permitted during this period.

#### 4.7 Construction Inspections

The City of Saraland Building Department is responsible for construction inspections to ensure that all City codes are followed. These codes include building, electrical, plumbing, mechanical, gas, fire standard, storm water management and other adopted codes. The Building Inspection Department also approves land disturbance permits for construction. Once a permit is obtained, the builder must request inspections during different stages of construction. Inspectors generally visit each site fourteen to twenty two times during the construction process. These multiple inspections allow the city inspector to ensure compliance with the city codes. The City requires Best Management Practices (BMPs) for all construction projects in accordance with ADEM regulations.

During this reporting period, inspectors issued no citations to construction sites due to inadequate erosion control measures.

The City of Saraland follows the National Flood Insurance Program (NFIP) Floodplain management and ordinance. The city sent representatives to the FEMA National Emergency Training Center for a course on Managing Floodplain Development.

The City of Saraland Building Inspection Department has installed computer equipment upgrades for the interactive Wise City permitting software at a cost of \$4,000. Additionally, the City provided software implementation, data input, and training at a cost of \$13,000. The City currently plans to provide online contractor/citizen interaction and bulletin boards during the next year at an estimated cost of \$5,000.

Additionally, an educational program is being developed for Public & Contractor Education on erosion control and construction activities in flood prone areas. This program will utilize the City's internet site, brochures, public meetings and newspaper articles to provide this information to the public and local contractors. This will go into effect with the aforementioned final step for online access.

Lastly, the City of Saraland Building Inspection Department is developing their GIS mapping system and has purchased the software, hardware, and license to initiate the process at a cost of \$3,500.

#### **4.8 Pesticides, Herbicides, and Fertilizers**

The City did not apply herbicide or pesticides during the permit period.

#### **4.9 Roadway Maintenance**

The Saraland Public Works Department performs smaller roadway maintenance projects funded through the operation budget as needed. The City also participates in the Mobile County "Pay As You Go" programs. In addition, the City underwent an expansive resurfacing project with City Funds during the last year. The streets included were Laurel Drive, Pine Avenue, Pine Court, Cedar Drive, Juniper Avenue, Spaceview Drive, Lafitte Road, La Cruz Avenue, Madrid Street, San Mareno Street, Williams Avenue, Saraland Avenue, Manvail Court, Samuari Circle, Bayou Drive, Edith Street, Old Telegraph Road, Lind Street, East Everett Avenue, Bill Myles Drive, Skidmore Avenue, Pierce Street, Craig Drive, Holston Drive, Adrian Court, First Avenue, Pine Street, Elizabeth Street, and Hays Court. The project cost totaled \$959,998.

The City does not currently have a street sweeping program since they do not own a street sweeper. Additionally the City does not have a deicing program since icing of the roadways and bridges is not common in this area.

#### **4.10 Structural Controls Maintenance**

The City of Saraland cleans and removes debris from all drains as necessary to assist with maintaining flow through existing infrastructure. The Public Works Department maintains a regular inspection and maintenance schedule of the City's drainage system. Major channels are inspected at least once per month and cut or cleaned when needed as allowed by regulatory agencies having jurisdiction. Storm inlets are inspected annually and necessary maintenance is performed. Also, elements of the drainage system are inspected before and after heavy rains to verify that debris has not accumulated and hindered the natural flow of the stormwater.

To facilitate the City's drainage needs, a bi-monthly meeting is held by the Mayor and Council Representative to discuss current activities performed and needed by all Department heads.

#### **4.11 Industrial Inspection**

Saraland conducts inspections of industrial facilities on an as needed basis. There are no facilities subject to regulations under the Resource Conservation and Recovery Act (RCRA) within the City's jurisdiction. Frequent inspections may occur when necessary. There were no reported violations at the industrial facilities.

#### **4.12 Flood Management**

The City has a rod located at the bridge on Highway 43 and Ferry Avenue to monitor high water levels in Bayou Sara to keep the City informed of the water level in the discharging stream. City employees monitor levels in area waterways.

#### **4.13 Municipal Facilities**

The City of Saraland has a separate Water Board that oversees the production, treatment, and distribution of water to its citizens. The members of this Board are appointed by the City Council and provide oversight for the employees who manage the water system on a daily basis. The City's Public Works Department is comprised of 26 employees who oversee the maintenance of all roads and drainage systems within the City. The Public Works Department conducts routine cleaning of drainage systems, including open ditches and closed pipe systems. Also, they perform minor repairs as necessary.

The City utilizes a collection tank for oil, diesel fuel, antifreeze, and transmission fluids when working on City vehicles and equipment. Additionally, the City washes the vehicles with an environmental safe car wash.

The City of Saraland is committed to providing quality services to its residents and business while protecting the surrounding environment. The City's sanitary sewer system which is comprised of the collection system and treatment facility is an example of this commitment. The sewer system serves approximately 5,600 customers and is comprised of over 80 miles of sewer mains, 38 lift stations, and a treatment facility rated for 2.6 million gallons a day (MGD) with a hydraulic peak of 8 MGD. In 2004 the City completed major renovations at the treatment facility necessary due to increasingly stringent water quality standards and increased wastewater flows and strength of sewage received. Since the upgrades were completed, the WWTF has produced a higher quality effluent than required by their NPDES permit. The treatment of sewage is an aggressive environment that takes its toll on the heavily mechanical process necessary to meet treated effluent parameters.

#### **4.14 Oil and Household Hazardous Waste**

The City's website addresses the disposal of common household wastes, and has schedules for garbage and trash pick-up. Specifically, the website provides types and examples of garbage that can be picked up by routine trash services. It also explains how to contain and minimize oil from household vehicles. Dates, times and holiday schedule for routine trash pick up are also provided.

Additionally, the City provides a pamphlet on Grease Clean-up & Disposal that educates their citizens on the damages of grease to the environment and the sanitary sewer systems and ways to dispose of household grease appropriately. The pamphlet is included in the Appendix.

#### **4.15 Sanitary Sewer Seepage**

Planning for properly maintaining and operating a sanitary sewer collection and treatment system is imperative to ensure economic growth and quality of life experienced by the citizens of Saraland. The City of Saraland has several tools to assist them in these efforts with the wastewater collection system including a capacity analysis of their system to identify deficiencies in the collection system. Also, all lift stations are continuously monitored through a Supervisory Control and Data Acquisition (SCADA) system. The SCADA system will send pager alarms to City staff when a critical condition arises at a lift station such as high water level or power outage. The Sewer Department staff also performs a minimum of twice weekly site visits to all lift stations to visibly confirm operational conditions. The sewer department also has two portable generators that are stationed at critical lift stations in the case of long term power outages.

No Sanitary Sewer Overflows (SSO`s) were reported this year.

## **5.0 SUMMARY OF PROPOSED PROGRAM MODIFICATIONS**

The City of Saraland along with other smaller cities in Mobile and Baldwin Counties were included in a Phase I permit with the City of Mobile. In March, 2012 the City requested to be removed from the MS4 program or at a minimum be revised to a Phase II permittee. The request is based the following factors: population, land use, receiving stream water quality, and documented history of water quality monitoring of the major outfall. Currently the request is ongoing and being reviewed by ADEM. A copy of the submitted letter is located in the Appendix.

## 6.0 FISCAL ANALYSIS

### 6.1 Past Fiscal Year

Storm Water Management Estimated Budget	
Public Works Department	
Implementation	
Salaries/Wages	\$ 886,789
Equipment/Supplies	\$ 14,255
Education	\$ 0
Property Purchase	\$ 61,809
Misc	\$ 46,517
Total Estimated Budget	\$ 1,009,370

### 6.2 Current Fiscal Year

Public Works Department – Streets and Drainage	
Salaries/Wages	\$ 883,436
Equipment/Supplies	\$ 13,681
Education	\$ 150
Property Purchase	\$ 400,000
Miscellaneous	\$ 466,147
Total Estimated Budget	\$ 1,763,414

## 7.0 MONITORING RESULTS

- 7.1 The following is a list of field screening locations and major outfall sites. Individual sampling sites are indicated on maps included in Appendix A.

Screening Sites	Location	GPS Coordinates
MO-1	US 43 bridge crossing at Norton Creek	30° 48' 58.275 N 88° 04' 16.366 W
FS-1	End of Broker Ridge Court	30° 51' 30.225 N 88° 08' 54.439 W
FS-2	Lukoli Lane West south side of street	30° 51' 14.411 N 88° 09' 08.819 W
FS-3	Across the street from 4695 Pine Avenue	30° 50' 28.901 N 88° 09' 01.329 W
FS-4	Off Lafitte Road west from Celeste Rd at bridge crossing just before the second Traveler Dr Entrance	30° 50' 00.837 N 88° 07' 45.746 W
FS-5	1735 Chase Drive - across from Lift Station	30° 49' 39.928 N 88° 06' 52.058 W
FS-6	841 Deer Run Drive - South side of Lift Station/ Pump House	30° 50' 01.728 N 88° 05' 25.742 W
FS-7	900 Forest Ave - NW corner of Lift Station across from Circle K	30° 49' 48.925 N 88° 05' 33.780 W
FS-8	North end of Ideal Drive	30° 49' 07.562 N 88° 05' 22.695 W
FS-9	524 Scott Dr W - NW corner of bridge crossing	30° 48' 54.0927 N 88° 05' 45.0426 W
FS-10	886 Fernwood Drive - Rear parking area of AT&T Store in the triangle area adjacent to Shelton Beach Road across from Microtel Inn & Suites	30° 48' 13.612 N 88° 06' 04.800 W
FS-11	Second Avenue - Across from 906 Second Ave.	30° 48' 18.101 N 88° 05' 42.917 W
FS-12	South end of James Street	30° 48' 01.365 N 88° 05' 25.070 W

FS-13	North Side of Industrial Blvd. 100 Yd East of Dixie Drayage	30° 47' 53.715 N 88° 05' 08.493 W
FS-14	North of Celeste Rd and Hwy 43 below bill board @ bridge - storm drain in grass area of parking lot.	30° 49' 32.068 N 88° 04' 11.648 W
FS-15	East side of Bea's Ln - Adjacent to 130 Bayou Sara Ave.	30° 49' 32.581 N 88° 03' 53.210 W
FS-16	2 Dale Ave. - NW corner of Intersection at Clark and Dale Ave	30° 49' 10.278 N 88° 03' 40.675 W
FS-17	Intersection of Anderson & Railroad St - west of tracks	30° 49' 16.055 N 88° 04' 04.729 W
FS-18	Rufus Harbin Park on Norton Ave - Drainage structures on the east side of park	30° 49' 23.124 N 88° 04' 40.755 W
FS-19	Celeste Rd and Forest Avenue - in front of Forest Subdivision	30° 50' 19.641 N 88° 06' 51.075 W

## 7.2 Wet Weather Data

Wet weather data included in this report consists of a representative sample collected at the designated major outfall as identified above. This sample data is included in Appendix B. Review of the results note the possibility that the receiving stream is backwashing into the storm water at the point of the sampling. The sampling results indicate low pollutant levels and loadings.

### 7.3 Dry Weather Data

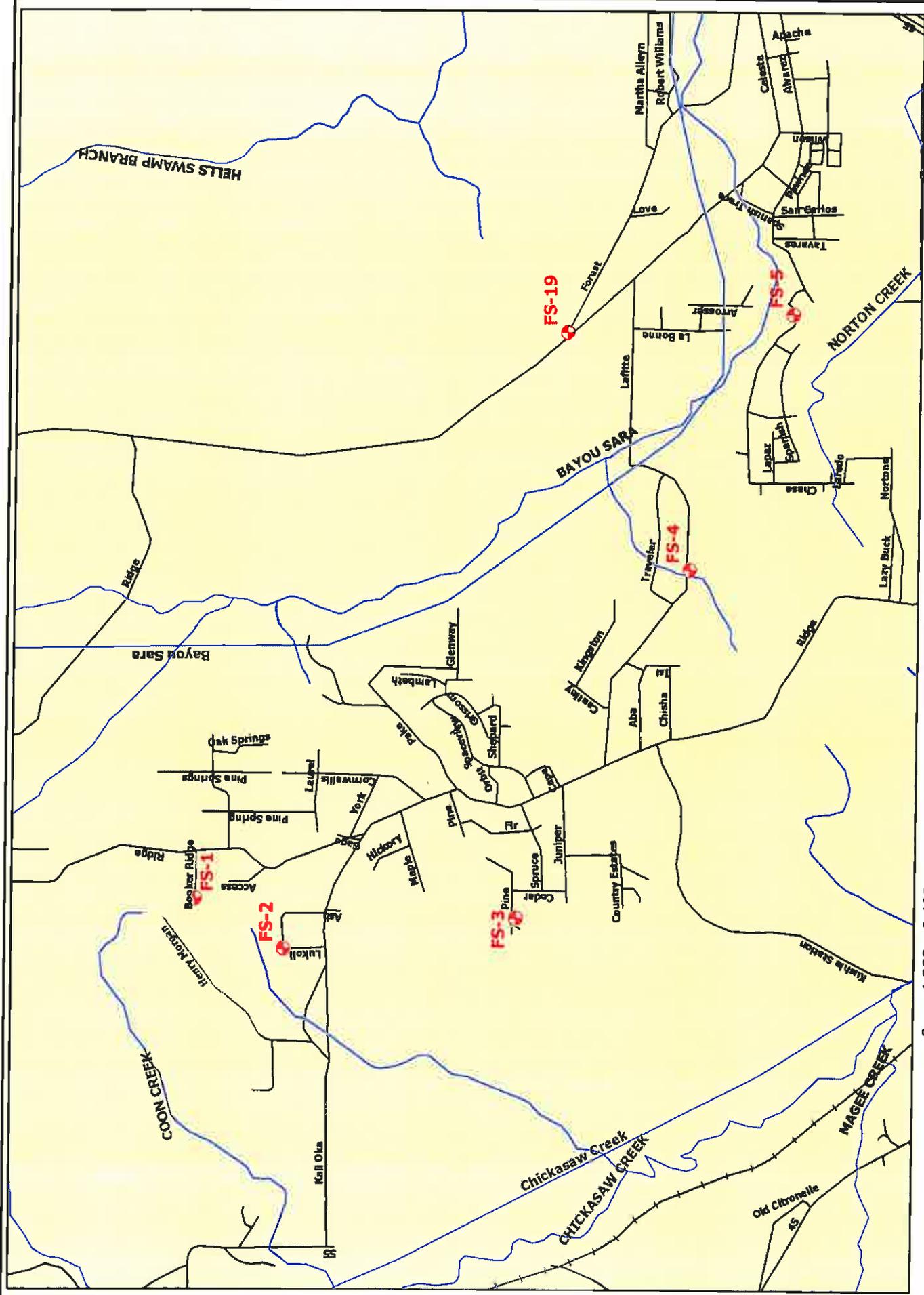
Dry weather field screenings were performed within the permit period. All sites appeared to be in operable condition. No illicit discharges were noted at the time of the inspection.

## 8.0 SUMMARY

This report includes a history and overview of the City of Saraland's MS4 Program, monitoring results and locations and a review of the programs elements and activities. The City has implemented and performs the EPA recommended program elements as part of their ADEM MS4 Permit. The intent of the program is to reduce pollutants in storm water that is discharged from the storm water system and to prevent the degradation of receiving streams. The receiving streams for the City of Saraland are Bayou Sara and Norton Creek which are not listed on the 2010 Alabama §303(d) List for impaired waterways. Monitoring results provided indicate low pollutant levels and loadings; there are no indications that the City is negatively affecting the receiving streams.

The City of Saraland will continue to focus on storm water management and look for ways to enhance their current program.

# Appendix A



Note: This map is for presentation use only and not to be used for construction purposes.



1 inch = 2,400 feet

**VOLKERT**  
& ASSOCIATES, INC.

**Saraland**





# Appendix B



4320 Midmost Drive Mobile, Alabama 36609  
Phone (251) 344-9106 Fax (251) 341-9492

Volkert Environmental Group  
P.O. Box 7434  
Mobile, AL 36670

Project: Stormwater Sites

Project Number: Saraland MS-4 / Storm Water

Attention: Melissa O'Sullivan

Report Date: 10/25/2012 2:41:58PM

### ANALYTICAL REPORT

This report includes the results of analyses for the samples listed below that were received by the laboratory on 09/05/12 15:45. If you have any questions concerning this report, please feel free to call Ken Mohr at (251) 344-9106.

<i>Sample Description</i>	<i>Laboratory ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Date Sampled</i>	<i>Date Received</i>
Saraland	1210070-01	Surface Water	Grab	09/04/2012	09/05/2012
Saraland - Composite	1210070-02	Surface Water	Composite	09/05/2012	09/05/2012

Ken Mohr Project Manager



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*Results are reported on a wet weight basis, unless otherwise noted*

Volkert Environmental Group  
 P.O. Box 7434  
 Mobile, AL 36670

Project: Stormwater Sites

Project Number: Saraland MS-4 / Storm Water

Attention: Melissa O'Sullivan

Report Date: 10/25/2012 2:41:58PM

Sample Name: Saraland		Date Received: 09/05/12 15:45		Sampled by: Butch Nolin		Sample Type: Grab				
Sample Date: 09/04/12 21:40						Matrix: Surface Water				
<i>Reporting</i>										
Analyte	Result	Units	Limit	Analyst	Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
<b><u>Classical Chemistry Parameters</u></b>										
Oil & Grease	< 2	mg/L	2	DEF	09/07/12 09:00	09/07/12 09:00	EPA 1664	2106005	1210070-01	U

<i>Reporting</i>										
Analyte	Result	Units	Limit	Analyst	Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
<b><u>Field Parameters</u></b>										
pH	5.92	su	0.01	CVN	09/04/12 21:40	09/04/12 21:40	SM 4500H-B	2108001	1210070-01	

Sample Name: Saraland - Composite		Date Received: 09/05/12 15:45		Sampled by: Butch Nolin		Sample Type: Composite				
Sample Date: 09/05/12 00:40						Matrix: Surface Water				
<i>Reporting</i>										
Analyte	Result	Units	Limit	Analyst	Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
<b><u>Classical Chemistry Parameters</u></b>										
Biochemical Oxygen Demand	< 3	mg/L	3	JMB	09/06/12 09:56	09/11/12 09:05	SM 5210B	2106009	1210070-02	U
Phosphate, Total as P	< 0.100	mg/L	0.100	RJL	09/13/12 11:30	09/13/12 11:30	EPA 365.4	2120017	1210070-02	U
Total Dissolved Solids	92	mg/L	5	AET	09/12/12 15:20	09/12/12 15:20	SM 2540C	2112005	1210070-02	
Total Kjeldahl Nitrogen	0.5	mg/L	0.5	RJL	09/17/12 11:30	09/17/12 12:45	EPA 351.2	2117037	1210070-02	
Total Suspended Solids	8	mg/L	5	JMB	09/06/12 14:36	09/07/12 09:25	SM 2540D	2106030	1210070-02	
Phosphorus-Total Dissolved	< 0.100	mg/L	0.100	RJL	09/13/12 11:30	09/13/12 11:30	EPA 365.4	2120017	1210070-02	U
Nitrate as N	0.2	mg/L	0.1	RJL	09/06/12 15:30	09/12/12 08:30	EPA 353.2	2112010	1210070-02	
Nitrite as N	< 0.020	mg/L	0.020	DEF	09/06/12 15:30	09/06/12 15:30	SM 4500NO2-B	2107006	1210070-02	U



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Volkert Environmental Group  
 P.O. Box 7434  
 Mobile, AL 36670

Project: Stormwater Sites

Project Number: Saraland MS-4 / Storm Water

Attention: Melissa O'Sullivan

Report Date: 10/25/2012 2:41:58PM

**Classical Chemistry Parameters - Quality Control**

Analyte	Reporting Limit	Units	Result	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Blank (2I06005-BLK1)</b>				Prepared & Analyzed 09/06/12						
Oil & Grease	2	mg/L	ND							U
<b>LCS (2I06005-BS1)</b>				Prepared & Analyzed 09/06/12						
Oil & Grease	2	mg/L	35.0	40.0		88	78-114			
<b>Matrix Spike (2I06005-MS1)</b>				Source: 12I0052-02 Prepared & Analyzed 09/06/12						
Oil & Grease	2	mg/L	36.0	40.0	ND	90	78-114			
<b>Blank (2I06009-BLK1)</b>				Prepared 09/06/12 Analyzed 09/11/12						
Biochemical Oxygen Demand	2	mg/L	ND							U
<b>LCS (2I06009-BS1)</b>				Prepared 09/06/12 Analyzed 09/11/12						
Biochemical Oxygen Demand		mg/L	212	198		107	84.6-115.4			
<b>LCS Dup (2I06009-BSD1)</b>				Prepared 09/06/12 Analyzed 09/11/12						
Biochemical Oxygen Demand		mg/L	200	198		101	84.6-115.4	5	30	
<b>Duplicate (2I06009-DUP1)</b>				Source: 12I0077-02 Prepared 09/06/12 Analyzed 09/11/12						
Biochemical Oxygen Demand	2	mg/L	15000		15000			0.2	35	
<b>Blank (2I06030-BLK1)</b>				Prepared 09/06/12 Analyzed 09/07/12						
Total Suspended Solids	5	mg/L	ND							U



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 P.O. Box 7434  
 Mobile, AL 36670

Project: Stormwater Sites

Project Number: Saraland MS-4 / Storm Water

Attention: Melissa O'Sullivan

Report Date: 10/25/2012 2:41:58PM

**Classical Chemistry Parameters - Quality Control**

Analyte	Reporting Limit	Units	Result	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Duplicate (2I06030-DUP1)</b>										
			<b>Source: 12I0091-02</b>		Prepared: 09/06/12 Analyzed: 09/07/12					
Total Suspended Solids	5	mg/L	70		67			4	26	
<b>Duplicate (2I06030-DUP2)</b>										
			<b>Source: 12I0071-02</b>		Prepared: 09/06/12 Analyzed: 09/07/12					
Total Suspended Solids	5	mg/L	10		10			0	26	
<b>Reference (2I06030-SRM2)</b>										
					Prepared: 09/06/12 Analyzed: 09/07/12					
Total Suspended Solids		mg/L	254	250		102	89.2-110.8			
<b>Blank (2I07006-BLK1)</b>										
			Prepared & Analyzed: 09/06/12							
Nitrite as N	0.020	mg/L	ND							U
<b>LCS (2I07006-BS1)</b>										
			Prepared & Analyzed: 09/06/12							
Nitrite as N	0.020	mg/L	0.0528	0.0500		106	89.1-117			
<b>LCS Dup (2I07006-BSD1)</b>										
			Prepared & Analyzed: 09/06/12							
Nitrite as N	0.020	mg/L	0.0530	0.0500		106	89.1-117	0.4	15	
<b>Matrix Spike (2I07006-MS1)</b>										
			<b>Source: 12I0070-02</b>		Prepared & Analyzed: 09/06/12					
Nitrite as N	0.020	mg/L	0.0608	0.0500	0.0120	98	73.9-126			
<b>Matrix Spike Dup (2I07006-MSD1)</b>										
			<b>Source: 12I0070-02</b>		Prepared & Analyzed: 09/06/12					
Nitrite as N	0.020	mg/L	0.0628	0.0500	0.0120	102	73.9-126	3	20	
<b>Blank (2I12005-BLK1)</b>										
			Prepared & Analyzed: 09/12/12							
Total Dissolved Solids	5	mg/L	ND							U



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Volkert Environmental Group  
 P.O. Box 7434  
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Project: Stormwater Sites

Project Number: Saraland MS-4 / Storm Water

Attention: Melissa O'Sullivan

Report Date: 10/25/2012 2:41:58PM

**Classical Chemistry Parameters - Quality Control**

Analyte	Reporting Limit	Units	Result	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Duplicate (2112005-DUP1)</b>		<b>Source: 1210070-02</b>		Prepared & Analyzed: 09/12/12						
Total Dissolved Solids	5	mg/L	91		92			1	10	
<b>Reference (2112005-SRM1)</b>		Prepared & Analyzed: 09/12/12								
Total Dissolved Solids		mg/L	148	146		101	91.1-108.9			
<b>Blank (2112010-BLK1)</b>		Prepared & Analyzed: 09/12/12								
Nitrate as N	0.1	mg/L	ND							U
<b>LCS (2112010-BS1)</b>		Prepared & Analyzed: 09/12/12								
Nitrate as N	0.1	mg/L	1.1	1.00		107	90-110			
<b>LCS Dup (2112010-BSD1)</b>		Prepared & Analyzed: 09/12/12								
Nitrate as N	0.1	mg/L	1.1	1.00		107	90-110	0	25	
<b>Matrix Spike (2112010-MS1)</b>		<b>Source: 1210107-01</b>		Prepared & Analyzed: 09/12/12						
Nitrate as N	1.0	mg/L	3.0	1.00	2.1	96	90-110			
<b>Matrix Spike Dup (2112010-MSD1)</b>		<b>Source: 1210107-01</b>		Prepared & Analyzed: 09/12/12						
Nitrate as N	1.0	mg/L	3.0	1.00	2.1	95	90-110	0.3	25	
<b>Blank (2117037-BLK3)</b>		Prepared & Analyzed: 09/17/12								
Total Kjeldahl Nitrogen	0.5	mg/L	ND							U



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Project: Stormwater Sites

Project Number: Saraland MS-4 / Storm Water

Attention: Melissa O'Sullivan

Report Date: 10/25/2012 2:41:58PM

**Classical Chemistry Parameters - Quality Control**

Analyte	Reporting Limit	Units	Result	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Blank (2I17037-BLK4)</b>				Prepared & Analyzed: 09/17/12						
Total Kjeldahl Nitrogen	0.5	mg/L	ND							U
<b>Matrix Spike (2I17037-MS3)</b>				Source: 12I0074-02 Prepared & Analyzed: 09/17/12						
Total Kjeldahl Nitrogen	5.0	mg/L	100	82.0	10	113	80-120			
<b>Matrix Spike Dup (2I17037-MSD3)</b>				Source: 12I0074-02 Prepared & Analyzed: 09/17/12						
Total Kjeldahl Nitrogen	5.0	mg/L	100	82.0	10	112	80-120	0.9	20	
<b>Calibration Check (2I17039-CCV1)</b>				Prepared & Analyzed: 09/17/12						
Total Kjeldahl Nitrogen		mg/L	10	10.0		105	85-115			
<b>Calibration Check (2I17039-CCV2)</b>				Prepared & Analyzed: 09/17/12						
Total Kjeldahl Nitrogen		mg/L	10	10.0		111	85-115			
<b>Calibration Check (2I17039-CCV3)</b>				Prepared & Analyzed: 09/17/12						
Total Kjeldahl Nitrogen		mg/L	10	10.0		109	85-115			
<b>Calibration Check (2I17039-CCV4)</b>				Prepared & Analyzed: 09/17/12						
Total Kjeldahl Nitrogen		mg/L	10	10.0		108	85-115			
<b>Calibration Check (2I17039-CCV5)</b>				Prepared & Analyzed: 09/17/12						
Total Kjeldahl Nitrogen		mg/L	10	10.0		107	85-115			
<b>Calibration Check (2I19020-CCV1)</b>				Prepared & Analyzed: 09/19/12						
Nitrate as N		mg/L	1.1	1.00		107	90-110			



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Project: Stormwater Sites

Project Number: Saraland MS-4 / Storm Water

Attention: Melissa O'Sullivan

Report Date: 10/25/2012 2:41:58PM

**Classical Chemistry Parameters - Quality Control**

Analyte	Reporting Limit	Units	Result	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Calibration Check (2119020-CCV2)</b>				Prepared & Analyzed 09/19/12						
Nitrate as N		mg/L	1.1	1.00		110	90-110			
<b>Blank (2120017-BLK1)</b>				Prepared & Analyzed 09/13/12						
Phosphate, Total as P	0.100	mg/L	ND							U
Phosphorus-Total Dissolved	0.100	"	ND							U
<b>LCS (2120017-BS1)</b>				Prepared & Analyzed 09/13/12						
Phosphate, Total as P	0.100	mg/L	0.600	0.653		92	85-115			
<b>LCS Dup (2120017-BSD1)</b>				Prepared & Analyzed 09/13/12						
Phosphate, Total as P	0.100	mg/L	0.577	0.653		88	85-115	4	25	
<b>Matrix Spike (2120017-MS1)</b>				Source: 1210074-02 Prepared & Analyzed 09/13/12						
Phosphate, Total as P	1.00	mg/L	8.10	6.53	1.66	99	75-125			
<b>Matrix Spike Dup (2120017-MSD1)</b>				Source: 1210074-02 Prepared & Analyzed 09/13/12						
Phosphate, Total as P	1.00	mg/L	8.06	6.53	1.66	98	75-125	0.5	25	
<b>Calibration Check (2120019-CCV1)</b>				Prepared & Analyzed 09/13/12						
Phosphate, Total as P		mg/L	0.935	1.00		94	90-110			
Phosphorus-Total Dissolved		"	0.000	1.00			0-200			U



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 P.O. Box 7434  
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Project: Stormwater Sites

Project Number: Saraland MS-4 / Storm Water

Attention: Melissa O'Sullivan

Report Date: 10/25/2012 2:41:58PM

**Classical Chemistry Parameters - Quality Control**

Analyte	Reporting Limit	Units	Result	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Calibration Check (2I20019-CCV2)</b>				Prepared & Analyzed: 09/13/12						
Phosphate, Total as P		mg/L	0.927	1.00		93	90-110			
Phosphorus-Total Dissolved		"	0.000	1.00			0-200			U
<b>Calibration Check (2I20019-CCV3)</b>				Prepared & Analyzed: 09/13/12						
Phosphate, Total as P		mg/L	0.920	1.00		92	90-110			
Phosphorus-Total Dissolved		"	0.000	1.00			0-200			U
<b>Calibration Check (2I20019-CCV4)</b>				Prepared & Analyzed: 09/13/12						
Phosphate, Total as P		mg/L	0.951	1.00		95	90-110			
Phosphorus-Total Dissolved		"	0.000	1.00			0-200			U
<b>Calibration Check (2I20019-CCV5)</b>				Prepared & Analyzed: 09/13/12						
Phosphate, Total as P		mg/L	0.948	1.00		95	90-110			
Phosphorus-Total Dissolved		"	0.000	1.00			0-200			U



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Mobile, AL 36670

Project: Stormwater Sites

Project Number: Saraland MS-4 / Storm Water

Attention: Melissa O'Sullivan

Report Date: 10/25/2012 2:41:58PM

## CASE NARRATIVE

The results presented in this report relate only to the sample(s) received on 9/5/2012 3:45:00 PM for Volkert Environmental Group - 1210070-01, 1210070-02

Storm Water Event Data.

Total Rainfall - 1.83 inches  
Duration: 100 minutes  
Total Storm Water Flow - 1,124 mgd  
Velocity - Minimum- 0.28 fps Maximum- 2.06 fps Average - 1.17 fps

### Sample Receipt

Sample receipt information, including documentation of any deviation(s) from sample receiving quality control acceptance criteria, is provided on attachments to the report including the Sample Receipt Checklist, Chain of Custody, and/or Field Data Sheet

### Comments

No additional comments.

### Explanation of qualified data in this report:

U The compound was analyzed for but not detected.



# Appendix C

## How Can I Help?

- Scrape all food scraps and grease solids into the garbage, not down the sink, drain or toilet.
- Never pour solvents/gasoline down the drains, sewers or onto the ground outside.
- Clean up grease spills using an absorbent material (e.g. cat litter, paper towels) and place it in the dry trash bin.
- Train your family members in good environmental practices.



**It's Sleazy To Be Greasy**

To report a problem, contact us.

**City of Saraland**

**GREASE  
CLEAN-UP &  
DISPOSAL**

*Building Inspection Department  
933 Saraland Blvd. South  
Saraland, AL 36571*



**City of Saraland**

**Building Inspection Department**

933 Saraland Blvd. South  
Saraland, AL 36571  
Phone: 251-679-5502  
Fax: 251-679-3106  
[www.saraland.org](http://www.saraland.org)



**Tel: 251-679-5502  
Fax: 251-679-3106  
[www.saraland.org](http://www.saraland.org)**

## *What is the Grease Clean-Up and Disposal Effort?*

It is the process of relaying information to the community about the harmful affects grease has on the environment and the City's infrastructure and how these damages can be avoided.

- Nearly 50 percent of all sewage overflows nationwide are caused by homeowners who improperly dispose of everyday fats, oils and grease.
- Local governments in the U.S. spend more than \$25 billion a year to keep sewers running, and most of the blockages are caused from improperly disposed grease from fried food.



## *Where Does Grease Come From?*

- Meat Fats
- Cooking Oil
- Lard and Shortening
- Butter and Margarine



## *What Happens?*

When grease is washed down the drain, it sticks to the inside of sewer pipes (both on your property and in the streets.) Over time, it builds up and can block an entire pipe . Garbage disposals do not keep grease out of the pipes. They only shred it into smaller pieces.

## *What Affect can Grease have on the Sewer System?*

- Grease build-up clogs pipes and traps other debris.
- The Sewer System can overflow and potentially harm the public or the environment.
- If the overflow is into your home , the cleanup could cost thousands of dollars.
- An overflow could provide contact with disease-causing organisms.
- An increase in maintenance could result in higher operating costs.



### **Building Inspection Department**

933 Saraland Blvd. South  
Saraland, AL 36571  
Phone: 251-679-5502  
Fax: 251-679-3106

# Do I Need to Use Erosion Control?

~ Yes ~

You've seen the dirt:

- All over the road from trucks leaving a construction site.
- Running down the streets and into the storm inlets.
- On the neighbor's yard from the house being built next door.
- Running into the creek from the nearby construction.

All these need erosion control.



To report erosion, contact us.



## City of Saraland

Building Inspection Department

933 Saraland Blvd. South

Saraland, AL 36571

Phone: 251-679-5502

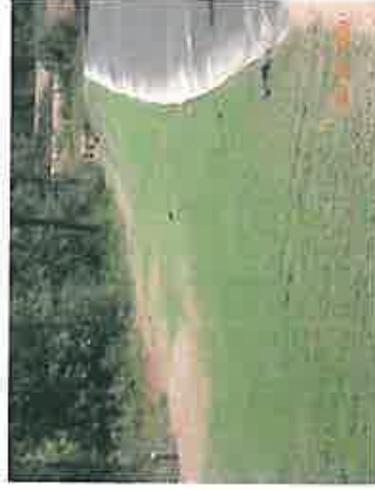
Fax: 251-679-3106

[www.saraland.org](http://www.saraland.org)

City of Saraland

## EROSION & SEDIMENT CONTROL

Building Inspection Department  
933 Saraland Blvd. South  
Saraland, AL 36571



Tel: 251-679-5502

Fax: 251-679-3106

[www.saraland.org](http://www.saraland.org)

## What is Erosion and Sediment Control?

It is the planning and use of devices that effectively control erosion during land disturbing activities.

- For construction within the City or Planning Jurisdiction, an Erosion and Sediment Control Plan must be submitted to the Building Department.
- A Site Disturbance Permit must be obtained from the Building Department before any land disturbing activity begins.
- If 1 acre of land or more will be disturbed, a permit must be obtained from ADEM.
- Any disturbed site left exposed for 30 days shall be planted or provided with ground cover.
- Failure to control erosion can lead to polluted waterways.



## Erosion Control Objectives:

- Identify areas subject to erosion (slopes, near waterways, etc.)
- Minimize the area exposed at one time.
- Minimize the time of exposure.
- Control the surface water running over the exposed area.
- Minimize the amount of sediment leaving the project area.



## Erosion Control Devices:

- Silt Fence
- Hay Bales
- Seeding/Sodding
- Rip Rap
- Check Dams
- Storm Drain Inlet Protection
- Geotextiles
- Gravel Construction Entrance



Building Inspection Department

333 Saraland Blvd., South

Saraland, AL 36571

Phone: 251-679-5502

Fax: 251-679-3108

## Do I Need to Clean up My Yard?

~ Yes ~

If you can answer Yes to Any of the following:

- Do you have trash in the yard?
- Are there electrical appliances (refrigerators, etc.) on the porch?
- Are there abandoned vehicles in the yard?
- Does the grass need cutting?
- Do the shrubs need pruning?
- Is the fence falling down?



Let's Build a Strong Community-  
Offer to Help your Neighbor.

To report a nuisance, contact us.

## 5 Easy Ways to Improve Your Home's Curb Appeal

- Clean Up: One of the least expensive things you can do is to put away the clutter and throw away the trash.
- Green up your lawn: Since the front lawn is one of the first things seen from the street, keep it mowed, raked, edged, weeded, and watered. Also consider fertilizing it if necessary.
- Landscaping: Start by pruning trees and adding a few new shrubs or flowers.
- Wash the siding: A clean house can make a world of difference.
- Paint: If cleaning doesn't revive your house, try a new paint job.



## City of Saraland

Building Inspection Department

933 Saraland Blvd. South  
Saraland, AL 36571

Phone: 251-679-5502

Fax: 251-679-3106

[www.saraland.org](http://www.saraland.org)

City of Saraland

## NUISANCE CONTROL & ELIMINATION

Building Inspection Department  
933 Saraland Blvd. South  
Saraland, AL 36571



Tel: 251-679-5502

Fax: 251-679-3106

[www.saraland.org](http://www.saraland.org)

## What is Nuisance Control & Elimination?

It is the process of removing items that are unsightly or that may pose as a safety hazard to the general public. There are various nuisances that are unlawful according to the Saraland Code of Ordinances.

- Any growth of weeds, bushes or grass exceeding 12 inches in height may present a fire hazard, a safety hazard or otherwise endanger surrounding areas.
- It is unlawful to make unreasonable noise or vibration within the city limits that can be heard 25 feet or more away.
- It is unlawful to occupy or to lease any recreational vehicle or mobile home at any location other than a duly licensed and zoned mobile home park or sales lot.



### Building Inspection Department

933 Saraland Blvd. South  
Saraland, AL 36571  
Phone: 251-679-5502  
Fax: 251-679-3106

## Am I a Nuisance?

~ YES ~

IF you have ANY of the following:

- Abandoned vehicles



- Debris/trash on porch or in yard
- Junk on porch or in yard
- Overgrown grass or bushes



- Someone living in a camper or RV
- Fences falling down
- Illegal signs
- Unreasonable noise or vibration

## Is it Illegal?

~ YES ~

You may receive one of the following:

- A notice to clean up on the first contact.
- A citation for up to \$500.
- You may be issued a citation for a court appearance.



## How much trash or limbs will the city pick up?

- Three cubic yards per week (3' x 3' x 9').
- No construction debris.
- Place trash on your property (on or near the curb). Do not put it in the street or cover water meters, fire hydrants, etc.

## Can I pay if I have more than 3 cubic yards of trash to pick up?

- You may choose to have it removed privately, or you can contact the city contractor (Advanced Disposal, 443-8555) to remove excess trash for a fee.



**Volkert, Inc.**  
3809 Moffett Road (36618)  
P.O. Box 7434  
Mobile, AL 36670-0434

Office 251.342.1070  
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March 12, 2012

**Contract No. 660115.10**  
**NPDES Stormwater Annual Report**

Ms. Marla Smith  
Water Division  
Municipal/Industrial Facilities  
Alabama Department of Environmental Management  
1400 Coliseum Boulevard  
Montgomery, Alabama 36110-2059

**RE: Request for the City of Saraland to be removed from the MS4 Permit  
NPDES Permit Number ALS000002**

Dear Ms. Smith:

As previously discussed and on behalf of the City of Saraland, we are requesting ADEM's consideration for removal of the City of Saraland from the MS4 Phase I NPDES Permit Number ALS000002. This request is being made based on several reasons which are outlined herein.

- According to the 2010 U.S. Census Bureau, the current City population is 13,405. The current City limits encompass approximately 22 square miles of land which equates to a density of 560 people per square mile. The City's current population does not meet the Phase I permit minimum population of 100,000.
- The City of Saraland is primarily a residential community. The current zoning land usage by acreage has the following approximate percentage: 84% residential, 6% business, and 10% industrial. The 10% industrial zoning includes businesses such as Wal-Mart, Dr. Offices, and the newly constructed High School. The industrial users are required to obtain the appropriate State permits when required. Currently, there is only one registered SID in the City of Saraland. The City also does not have any active landfills. Please see the enclosed map for the City's land use.
- The receiving streams for stormwater within the City are Bayou Sara and Norton Creek. Neither of these streams is listed as a 303d stream. See the attached contour maps.
- As stated in the annual MS4 permit reports, the City has established the necessary ordinances to continue to monitor and enforce BMPs at all construction sites. Ordinances 664 and 756 establish procedures to control storm water runoff from commercial and industrial facilities and construction sites. These ordinances are the key elements to the

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City's success in the quality of their storm water discharges. The City will continue to implement and enforce these ordinances.

- The City's storm water discharge does not adversely impact the receiving streams as noted in the City's past annual testing and field reviews provided in the annual reports submitted to ADEM.

Additionally, the advantages for being included in a consortium have not materialized between the cities involved as originally anticipated during the conception of the program.

Therefore, the City is respectfully requesting to be removed from the MS4 NPDES permit. However, if this request cannot be granted then the City respectfully requests to be modified to a Phase II permittee.

Please feel free to contact me if you have any questions or require any additional information.

Sincerely,



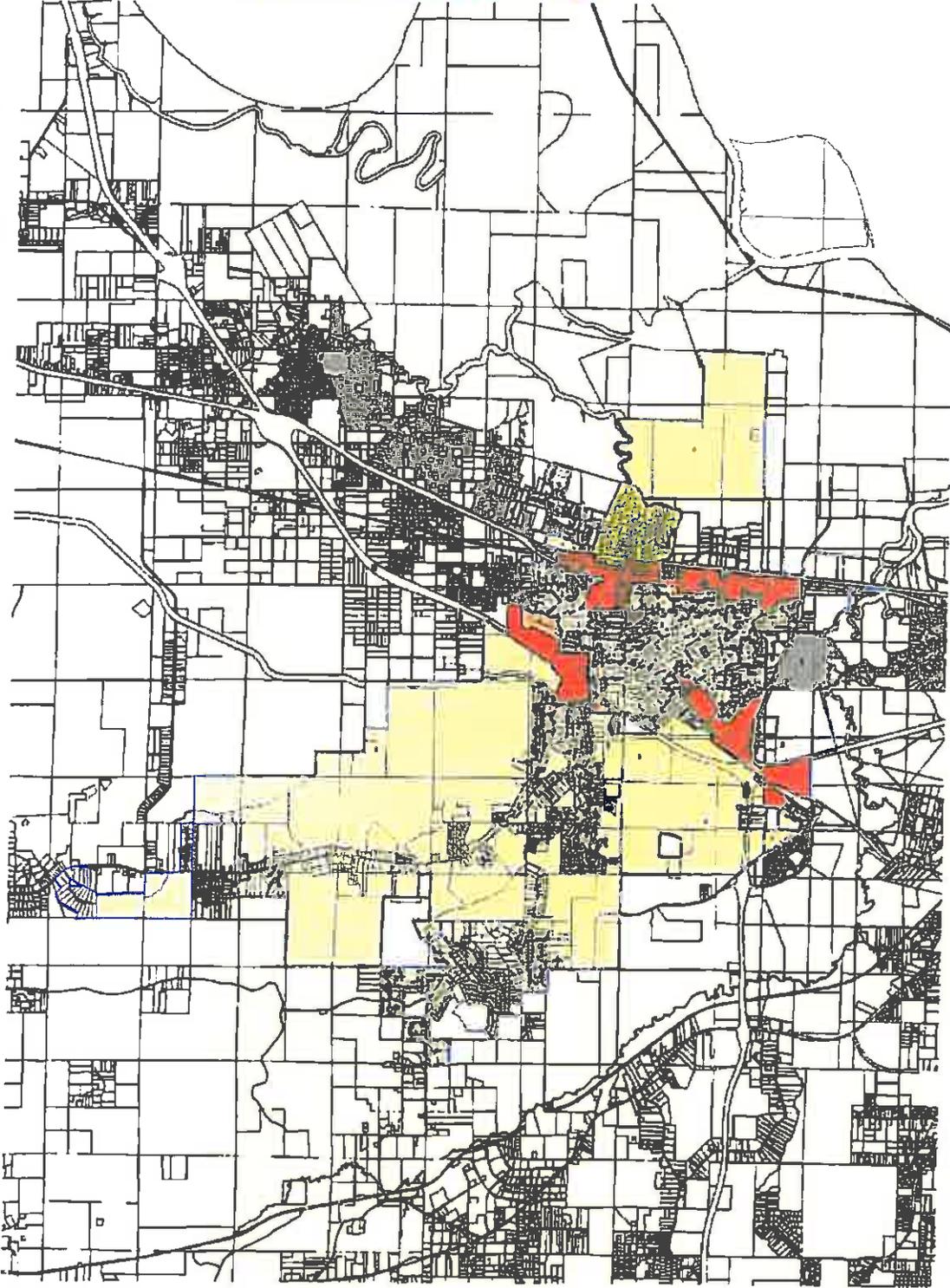
Melissa O'Sullivan, P.E.  
Project Manager

MOS/lrb

Enclosures

- c Mayor Howard Rubenstein - City of Saraland, Alabama
- Mr. Newton Cromer - City of Saraland, Alabama
- Mr. Joe McDonald - City of Saraland, Alabama
- Mr. Sidney Butler - City of Saraland, Alabama
- Mr. Paul Stanley - City of Saraland, Alabama
- Dr. Veronica Hudson - City of Saraland, Alabama
- Mr. Ricky Herring - City of Saraland, Alabama
- Mr. Mike Black - City of Saraland, Alabama
- Ms. Denise Jernigan - City of Saraland, Alabama
- Ms. Betty Donald - City of Saraland, Alabama

# Saraland Zoning Map



- City Limits
- Zoning Districts
- R1 Low Density Single Family Residential
- R2 Medium Density Single Family Residential
- R3 Limited Multi-Family Residential
- R-1A Garden Patio Home
- R4 High Density Residential
- R6 Mobile Home Park
- B1 Local Shopping
- B2 General Business
- B3 Business and Professional
- M1 Light Industrial
- M2 General Industrial
- FH Flood Hazard



