UNIVERSITY OF
SOUTH ALABAMA

ANNUAL MS4 REPORT
2025 Reporting Period

Prepared on: 05/28/2026

Prepared by:

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UNIVERSITY OF SOUTH ALABAMA

1. Certification and Introduction

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 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 fine and imprisonment for knowing violations.

The implementation of the University's Storm Water Management Program Plan is dependent upon several departments and individuals at the University. I serve as the University's responsible official and authorized representative as set forth in ADEM Admin. Code r. 335-6-6-.09. In addition, I serve to initiate programs intended to promote and ensure the Plan's objectives and as ADEM's primary point of contact for the referenced permit. Should you have any questions or require further documentation, please do not hesitate to contact me.

Signature: William L Guess

Printed Name: William L. Guess

Title: Director-Safety and Environmental Compliance, University of South Alabama

Date: May 28, 2026

UNIVERSITY OF SOUTH ALABAMA

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Introduction

The purpose of this annual report is to describe the University of South Alabama's (University) compliance efforts in support of the Storm Water Management Program Plan (SWMPP), and how the University is operating its SWMPP along with how it records and documents measurable success.

This report will provide an assessment of the program, describe public education and outreach initiatives, list planned stormwater controls for the next reporting cycle and current construction site details. In addition, this report will provide an overall picture of efforts taken by the University to reduce the discharge of pollutants from the main campus to the maximum extent practicable (MEP) to protect water quality and to satisfy the appropriate water quality requirements of the Clean Water Act (CWA). Reports, ADEM permits, and relevant information on the University's MS4 initiatives can be found on the Department of Safety and Environmental Compliance website https://www.southalabama.edu/departments/environmental .

The report has been prepared by Driven Engineering, Inc. (DEI) to provide for transparency in the self-assessment process. This document reports the ongoing achievements of the University's reporting year and continues upon required work. Specific references for attainment of SWMPP goals and permit compliance have been verified through documentation provided by the University and observations and confirmation by DEI.

Site Description

The main campus of the University spreads across 1,200 acres, with a landscape that includes cultivated flower gardens, walking paths and groves of pine trees, more than ten miles of bike trails, indoor and outdoor pools, and a disc golf course. The Glenn Sebastian Nature Trail contains more than three miles of trails that wind through ninety-five acres of native pine and oak woodlands. The campus is bisected by Three Mile Creek (303(d) watercourse) and Twelve Mile Creek (off Hillcrest Property).

History of Plan

The University filed a Notice of Intent for the Small Municipal Separate Storm Sewer System (MS4) General Permit in June 2017. Each year the University has submitted an annual report to ADEM describing actions taken in that year. In 2018, the University submitted the first Storm Water Management Program Plan (SWMPP) and was revised most recently on March 26, 2024.

The purpose of this SWMPP is to describe the University and its operation and identify the Best Management Practices (BMPs) to be utilized to reduce the discharge of pollutants from the main campus to the maximum extent practicable (MEP) to protect water quality and satisfy the appropriate water quality requirements of the Clean Water Act (CWA).

The SWMPP includes:

- Best Management Practices (BMP).
- Control techniques and system design, and engineering methods.
- Coordination among entities.
- Measurable goals for each of the BMPs.
- Person or persons responsible for implementing and coordinating BMPs.
- Minimum Control Methods.

2. Stormwater Management Self-Assessment

Assessments were conducted to report on the effectiveness of the goals and objectives set forth in the SWMPP related to the measurable goals and requirements of the MS4 permit pertaining to requirements not specifically listed in the SWMPP. This section discusses relevant achievements and ongoing permit compliance matters not considered a measurable BMP in the SWMPP, as well as clarification on permit requirements not specifically indicated in the BMP goal(s) attainment of this report. The subsequent section discusses measurable BMPs identified in the SWMPP.

The report is set out in a logical manner that identifies each measurable BMP indicated in the SWMPP by category, intent of the BMPs, goals the BMPs are committed to achieve, measure of the achievement of the goals, and anticipated future initiatives for the subsequent reporting year. This will help guide the University in its overall goal of being a good steward for the health of its direct and indirect impacts to Three Mile Creek and Twelve Mile Creek.

Core to the achievements and compliance with the MS4 permit is the Safety and Environmental Compliance (SEC) department, which oversees ADEM permitting and activities that may or may not reveal impact upon the requirements of the permit. This allows for a single point of contact and monitoring of not only the MS4 permit requirements, but any overlap with other permit responsibilities to ensure consistency with the University's goal to promote environmental stewardship.

The University has completed the marking of 95% of the stormwater inlets within the MS4 area. These markings, which were previously referenced in prior annual reports, have been an effective educational tool that reminds the public, staff, and students where the inlets discharge to, as well as the importance of being a good steward to the environment. Stormwater inlet medallions are replaced and/or added as needed.

The University has continued to expand its development of infrastructure and building facilities. Recognizing that runoff from construction sites could adversely impact receiving waters, the University has taken a proactive approach to limiting pollutant laden stormwater from leaving construction sites. Reviews are conducted for all sites, regardless of size, for permit compliance.

For sites greater than 1 acre, the University uses the ADEM NOI process, inclusive of individual CBMPP manuals and erosion control plans, through the NOI system. This allows for a consistent approach for the mitigation of runoff from construction sites and ensures that the University is current with ADEM's requirements. The University has a contract with a consulting firm to perform the inspections required as a result of rainfall threshold exceedance, or in the event of no rainfall 30-day inspections in conjunction with daily inspections by the contractor. Reports are generated by the consulting engineer indicating any deficiencies in the BMPs and actions required to remedy the issues identified. Additionally, the University conducts its own inspections via staff. When observations indicate that repairs to BMPs are required, the issues are communicated to the University project manager for immediate rectification. For sites less than 1 acre, the University conducts internal reviews with the assistance of an outside consulting firm to ensure construction stormwater impacts are minimized.

SEC has implemented additional controls for construction and development activities on campus with the creation of a land disturbance checklist. The checklist provides the manager of a construction

project the means of assuring compliance with the University's environmental compliance regulations to minimize construction stormwater runoff.

Much of the success and accomplishments of the program along with its partners in 2025-2026 include:

- Students from the University of South Alabama participated in the SGA & AED Campus Cleanup, held on April 13, 2025, around campus housing areas. A total of eight bags were filled with trash by twenty student participants, equating to 798 pounds.



Figure 1: 1 of 7 campus cleanup days took place in 2025, totaling 8 bags of trash collected.



Figure 2: Individuals grabbing trash at the SGA & AED Campus Cleanup

The USA Green Jags were founded in 2009 and are the University's primary student environmental club. The Green Jags promote sustainability and green movements by ways of campus and local clean-ups. They host a variety of events such as campus clean-up days, adopt-a-stream clean-up days, and garden workdays.



Figure 3: Green Jags Logo

In June 2019, an additional humanity "parking lot bio-infiltration swales" project (funded by ADEM) was installed. The project incorporated similar bio-infiltration features that captured runoff from parking areas before it enters a highly eroding gully just upstream of its confluence with Three Mile Creek. This parking lot bio-infiltration project reduces sediment loading to Three Mile Creek, thus improving both habitat and water quality. For the 2025 monitoring assessment, Krebs Engineering incorporated annual assessments of biofiltration systems as part of its routine post-construction evaluations in designated areas, such as the one pictured below. This integrated approach ensures that biofiltration systems are consistently monitored and maintained in accordance with regulatory requirements and project standards. By aligning these assessments with existing post-construction review schedules, Krebs Engineering aims to promote efficiency, environmental compliance, and the continued performance of stormwater management infrastructure.



Figure 4: Dr. White and a student discussing bio-infiltration swales beside a flower bed

Formation of the new Garden Committee at the University of South Alabama has proven to be a valuable addition to our sustainability and community engagement efforts. By promoting environmental stewardship, the committee has facilitated the development and maintenance of vibrant garden spaces across campus. These gardens not only enhance the aesthetic appeal of the University but also contribute to the campus's ecological health by supporting local biodiversity, reducing carbon footprints, and managing stormwater through natural filtration. Moreover, the committee serves as an educational platform, offering students and faculty hands-on experience with sustainable gardening practices. This initiative aligns with the University's commitment to sustainability, fostering a sense of pride and responsibility among the campus community while contributing to the broader environmental goals outlined in the MS4 program. The committee's efforts have significantly improved campus green spaces, provided opportunities for collaboration, and furthered the University's environmental objectives. To promote involvement, the committee created a flyer that includes a QR code linking to its GroupMe, making it easy for individuals to join and stay connected. This initiative has increased community engagement and furthered the University's environmental goals outlined in the MS4 program.



Figure 5: "Join the Garden Committee" Flyer

Three flyers were created that emphasize the importance of limiting unwanted constituents into the natural water systems that surround the USA campus. The flyers have been made available to the public in all elevators throughout the Campus. The flyers can be seen below:

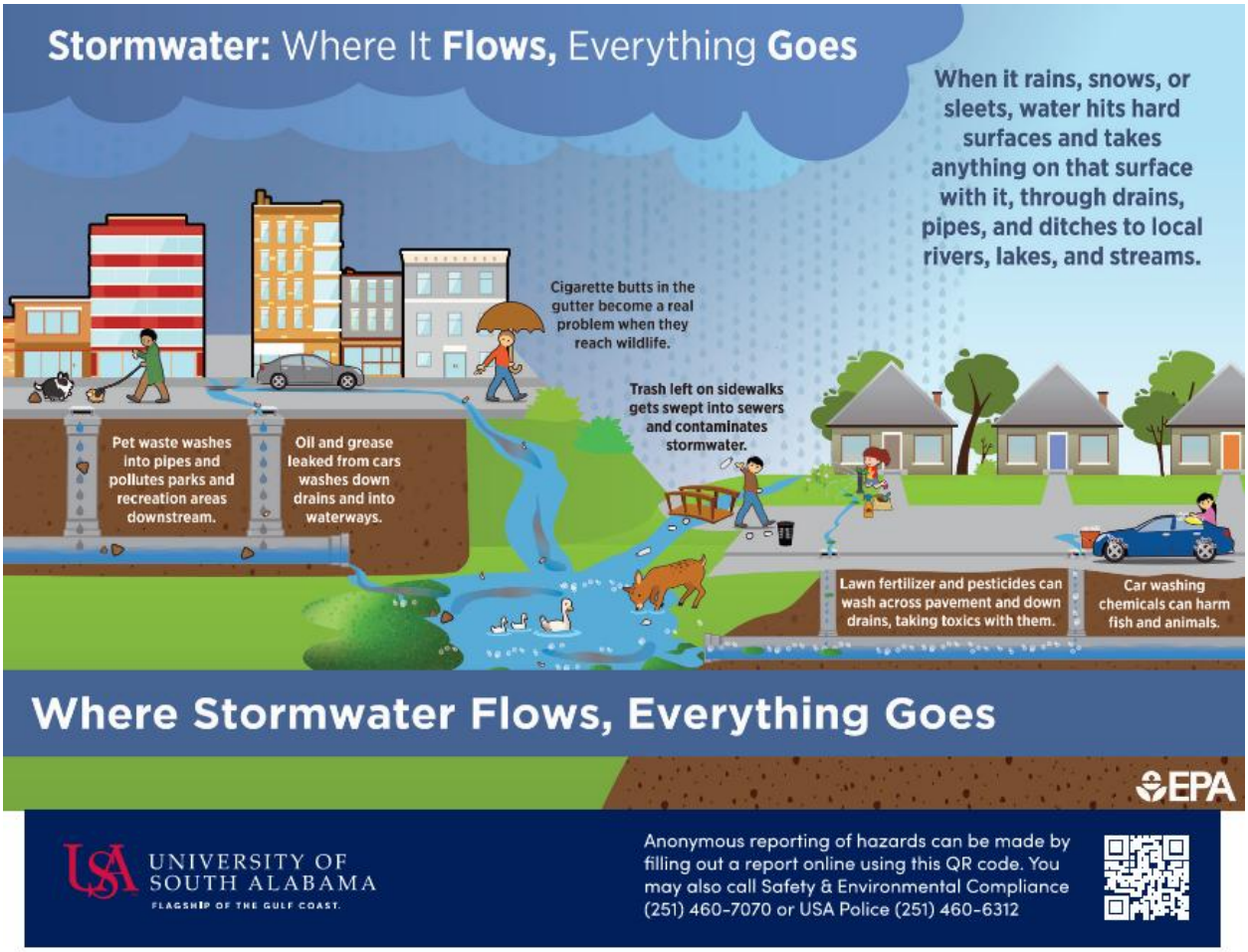


Figure 6: Flyer 1 – Where it Flows, Everything Goes

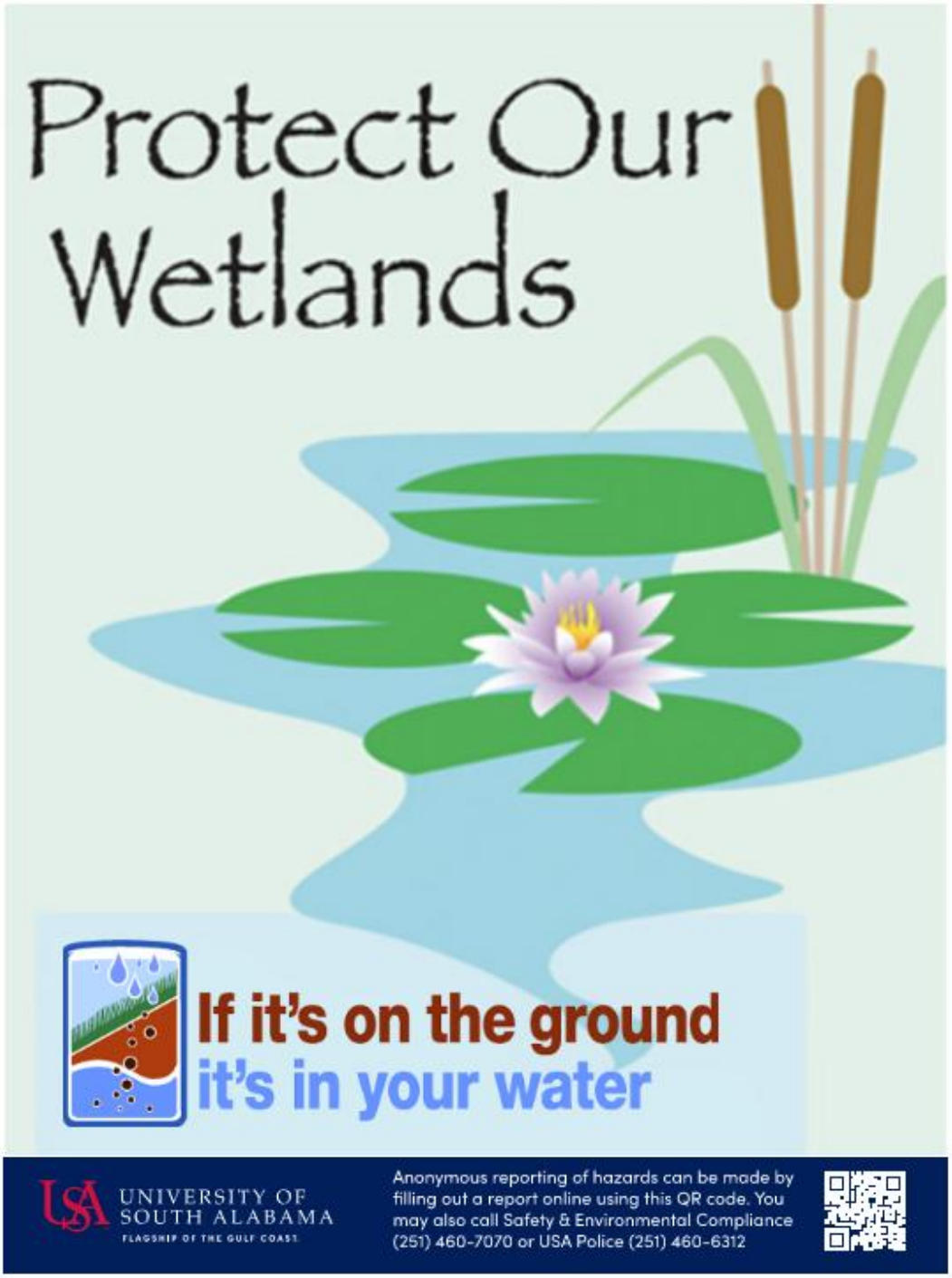


Figure 7: Flyer 2 – Protect Our Wetlands



Figure 8: Flyer 3 - Preventing Stormwater Pollution

The University recognizes specific requirements of the permit that are not SWMPP measured BMPs, which are also important. This report represents all additional commentary towards specific requirements of the permit that are not SWMPP measured, regardless of if it is accomplished or not yet met. They are listed below to help ensure transparency in the University's efforts of continuing to comply with the permit requirements. The items are numbered in a manner consistent with the ADEM permit for clarity and are as follows:

Part III.B.2.a.i.1 Requirement-Achieved -The latitude/longitude of all known outfalls on map: The map is being updated quarterly as IDDE inspections occur (See Appendix D).

Part III.B.2.a.i.3 Requirement-Achieved-Structural BMPs owned, operated, or maintained by the Permittee, if applicable: The map has been updated as of 2/13/2026 (See Appendix D). Currently there are no applicable BMPs to show on the map.

Part III.B.3.a.i Requirement-Achieved-Specific procedures for construction site plan (including erosion prevention and sediment controls) review and approval: The MS4 procedures must include an evaluation of plan completeness and overall BMP effectiveness: The Land Disturbance Checklist provides procedures for the review and approval of construction site plans, See Appendix H. An outside consultant reviews all construction plans.

Part III.B.3.a.iv Requirement-Achieved-Within 365 days of the effective date of the permit, develop and implement a construction site inspection form to include at least the items listed in Parts III.B.3.d.i.: Please see the Land Disturbance Checklist in Appendix H.

Part III.B.3.a.v Requirement-Achieved- Within 365 days of the effective date of the permit, maintain an inventory of qualifying construction sites containing relevant contact information for each construction site (i.e., tracking number and construction site contact name, address, phone number, etc.), the size of the construction site, whether the construction site has submitted for permit coverage under ADEM's Construction General Permit ALR100000, and the date the MS4 Permittee approved the site construction plan. The MS4 Permittee must make the inventory available upon the Department's request: The University's Safety and Environmental Compliance Department acquires all said documentation and is available at the Department's request.

Part III.B.3.c.i. Requirement-Achieved-Procedures for site plan reviews as required by Part III.B.3.a.i: The Land Disturbance Checklist provides procedures for the review and approval of construction site plans, See Appendix H.

Part III.B.3.c ii. Requirement Achieved-A copy or link of the ordinance or other regulatory mechanism required by Part III.B.3.a.ii: In Appendix B of the SWMPP, the Land Disturbance Checklist contains a link to the Alabama Soil & Water Conservation Committee, a regulatory entity for erosion and sediment control.

Part III.B.4.a.i.1 Requirement-Achieved-Develop/revise and outline in the SWMPP procedures for the site plan review and approval process and a required re-approval process when changes to post-construction controls are required: Please see the Land Disturbance Checklist in Appendix B of the SWMPP.

Part III.B.4.a.i.2 Requirement-Achieved-Develop/revise and outline in the SWMPP procedures for a post-construction process to demonstrate and document that post-construction stormwater measures have been installed per design specifications, which includes enforceable procedures for bringing non-compliant projects into compliance. The post-construction procedures can be found on page 26 of the SWMPP.

Part III.B.4.a.iii Requirement-Achieved-Encourage and Educate landowners and developers to incorporate the use of low impact development (LID)/green infrastructure where feasible. Information on low impact development)LID)/green infrastructure is available on the following websites: http://www.adem.alabama.gov/programs/water/waterforms/LIDHandbook.pdf;http://epa.gov/nps/lid. The Permittee shall include a narrative description in the SWMPP as to the means that will be taken to implement the requirement to encourage landowners and developers to incorporate the use of low impact development (LID)/green infrastructure; The procedures used are through the requirements of the ADEM NOI-Construction Stormwater Permit Process and the SWMPP. Please see page 26 of the SWMPP for more information.

Part III.B.5.a.iii 1-8 Requirement-Achieved-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: (1) equipment washing, (2) street sweeping, (3) maintenance of municipal roads including public streets, roads, and highways, including but not limited to unpaved roads, owned, operated, or under the responsibility of the permittee, (4) storage, use, and disposal of chemicals, pesticide, herbicide and fertilizers (PHFs) and waste materials; (5) vegetation control, cutting, removal, and disposal of the cuttings; (6) vehicle fleets/equipment maintenance and repair; (7) external building maintenance; and (8) material storage facilities and storage yards. The University has established good housekeeping practices and made them a part of new employee orientation and works to educate visitors through the use of flyers and posters posted in various locations across the campus. The SWMPP also includes housekeeping BMPs in section 2.6 (Page 29).

Part III.B.5.a.iv Clarification / Requirement-Achieved-A program for inspecting municipal facilities for good housekeeping practices, including BMPs. The program shall include checklists and procedures for correcting noted deficiencies: Please see the Post-Construction Form in Appendix C of the SWMPP for the inspection procedure/checklist of stormwater run-off.

Part III.B.5.b.iii Requirement-Achieved- Schedule for developing the SOP of good housekeeping practices required by Part III.B.5.a.iii: The following good housekeeping standard operating procedures are being maintained by USA personnel: Trims and fertilizes trees and shrubs, Mows and edges lawns, Polices grounds and picks up trash and debris, Waters plants as needed or directed, Hoes, weeds and otherwise tends flower beds, gardens and lawns, Collects, loads and hauls off trash, May operate a tractor or other groundskeeping equipment, implements and vehicles, Digs and plants flowers, shrubs and trees, May be responsible for performing groundskeeping and custodial duties in maintaining a small group of buildings and grounds, Installs weed fabrics and mulches, Stakes and guys trees, Removes debris, Cleans trash and debris from storm inlets, May apply chemical to lawns, trees, shrubs, flowers and paved surfaces as required, Solid waste collection campus-wide to include pick up of bagged, boxed and loose materials and transport by truck to dumpsters located throughout

campus for unloading, Assist in installation and repair of irrigation systems, Operate power washer to clean sidewalks and other paved surfaces.

Part III.B.5.b.iv Requirement-Not Achieved- The inspection plan and schedule to include inspection frequency, checklists, and any other materials needed to comply with Part III.B.5.a.iv: . For the 2025 reporting year, Grounds crew and office personnel monitored for effectiveness. Going forward, post-Construction assessments will be conducted annually per ADEM requirements. The Post-Construction Inspection Form can be found in Appendix C of the SWMPP. The post-construction procedures can be found on page 26 of the SWMPP.

Part IV.A.1 Requirement-Achieved-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 all requirements of this permit, except as provided by part III.B.3.b and reliance on another entity will not be a defense or justification for noncompliance if the entity fails to implement the permit requirements. All pertinent information pertaining to relying on outside consultants has been noted within the SWMPP.

3. Public Education and Outreach

The University of South Alabama's Safety and Environmental Compliance Office has implemented a public education and outreach program that distributes educational materials and information to the campus community. This education and outreach program is to inform University staff, students, and residents about preventing illicit discharges to Three Mile Creek and Twelve Mile Creek, as well as steps that can be taken to reduce pollutants in stormwater runoff to the maximum extent practical. These efforts are also designed to encourage individuals and groups to take active steps to reduce pollutants in stormwater runoff. Additionally, the "Adopt-a-Stream" program signage and participation continues to grow and serves as a visual reminder of the importance of keeping our waterways clean and healthy.

The University of South Alabama's public education and outreach efforts during the year 2025 reporting proved effective in raising awareness about stormwater quality and pollution prevention across the campus community. Outreach materials, including three targeted educational flyers were widely distributed and monitored using QR code analytics to ensure impact. The University's stormwater quality website received over 1,100 visits, demonstrating strong engagement. Additionally, participation in events such as campus cleanups and the implementation of programs like the "Toolbox Talk" and new employee orientation contributed to a measurable increase in environmental literacy and involvement. These combined efforts successfully supported the goals of the MS4 permit by promoting informed and proactive behaviors among students, staff, and visitors.

Rationale

Each Best Management Practice (BMP) within the public education and outreach measure was selected by examining BMP databases and examples. The effectiveness of previously utilized BMPs have been analyzed and the evaluation of educational methodologies are already in place at The University of South Alabama.

Target Audience

The target audience is The University of South Alabama's campus community which includes faculty, staff, students, and visitors. Segments of this audience may be targeted based upon specific goals or regulatory requirements. The goal of the public education and outreach program is to reach all employees and students at the University of South Alabama within the life of the permitting cycle. It is also to expose a significant segment of the visitor population to information regarding the impact of contaminated stormwater discharges on local bodies of water and watersheds.

BMP-1: Printed Materials

Materials promoting green spaces, stormwater quality and the importance of the environment with distributions through various locations in addition to education flyers for illegal dumping.

Measurable Goals:

Develop and distribute flyers. The flyers shall include the following: General impacts litter has on water bodies, how trash is delivered to streams via the MS4 and ways to reduce the litter; general impacts of stormwater flow into surface water

	from impervious surface; and source control BMPs in areas of pet waste, vehicle maintenance, landscaping, and rainwater reuse.
Progress on Goals 2025-2026:	Three educational flyers developed as part of the ongoing MS4 outreach program remained in active use throughout the 2025-2026 reporting period. Due to various flyer creation (stated below) and real time analysis of QR code data analytics represented for associated flyers, throughput efficiency is well above average. The USA SEC Department developed three flyers in 2024. Flyer-1 pertains to source control BMPs in areas of pet waste, vehicle maintenance, and landscaping. Flyer-2 corresponds to protecting our wetland areas. Flyer-3 pertains to preventing stormwater pollution by preventing illicit discharges to downstream storm drain inlets. These flyer displays have been maintained and QR codes verified through the year.
Planned Activities for 2026-2027:	Modify current flyers as needed. Monitor current operations; diagnose any new environmental risks with topic specific flyers when applicable. Continue with distribution and posting.
Target Audience:	General public, faculty/staff, students.

BMP-2: Stormwater Quality Website

Safety and Environmental Compliance will maintain a section of the University of South Alabama's website, http://www.southalabama.edu/departments/environmental/index.html, to provide a mechanism for the reporting of illicit discharges, educate the public and the campus community on water quality issues and to provide a mechanism for feedback on stormwater or water quality issues. SEC will edit, update, and modify the information provided to ensure consistency with the public education and outreach program. Impacts of illicit discharges and how to report them.

Measurable Goals:	Stormwater Quality website.
Progress on Goals 2025-2026:	The SWMPP has been made available to the public via the USA SEC Department website. USA Storm Water Management Program Plan (southalabama.edu). USA has maintained the website and updated the information being provided to ensure consistency with the public education and outreach program and to track usage. This website was viewed 1,181 times in 2025. http://www.southalabama.edu/departments/environmental/index.html
Planned Activities for 2026-2027:	Continue maintaining the website and update the information being provided to ensure consistency with the public education

and outreach program and to track usage. Modify any needed changes to the SWMPP when applicable.

Target Audience: General public, faculty/staff, students.

BMP-3: Public Service Advertisements

Public service advertisement BMP focuses on material that relates to the impact of stormwater runoff on local bodies of water and steps that can be taken to reduce stormwater pollution. SEC will review, edit update, and modify the advertisements to ensure relevancy to current water quality issues. SEC will maintain records regarding the advertisements and will report the type and frequency in the annual report.

Measurable Goals: Maintain records of advertisements.

Progress on Goals 2025-2026: Due to various flyer creation (stated below) and real time analysis of QR code data analytics represented for associated flyers, throughput efficiency is well above average. The USA SEC Department developed three flyers in 2024. Flyer-1 pertains to source control BMPs in areas of pet waste, vehicle maintenance, and landscaping. Flyer-2 corresponds to protecting our wetland areas. Flyer-3 pertains to preventing stormwater pollution by preventing illicit discharges to downstream storm drain inlets.

Planned Activities for 2026-2027: SEC to maintain good records regarding the advertisements and will report the type and frequency of distribution.

Target Audience: General public, faculty/staff, students.

BMP-4: Education Program for Impacts of Illegal Dumping and Littering

Educating the campus community of the impacts of illegal dumping and littering is vital to the cleanliness and beauty of the University of South Alabama campus. SEC, in conjunction with other sources, has developed educational materials and programs that discuss the harmful impact of illegal dumping and littering and will provide the mechanisms for reporting incidents. SEC will review, edit and modify information to ensure relevancy to current issues. SEC will distribute public education materials that describe the harmful impacts of dumping on water bodies.

Measurable Goals: Create and update as needed a program that highlights the harmful impact of illegal dumping.

Progress on Goals 2025-2026: There were no reporting incidents and/or visual confirmation of illegal dumping at the USA campus confirming a high level of efficiency. A “Toolbox Talk” program has been created for all facility staff at the University as a 5-year refresher training. The discussion topics can be seen in appendix C. Flyers have also been distributed across campus that describe illegal dumping and

littering. New employee orientation educates new University employees on the impacts of illegal dumping and littering. See appendix C regarding the new employee orientation PowerPoint.

Planned Activities for 2026-2027: Continue with education programs to be affiliated with 100% of campus community. SEC to review, edit, and modify programs to ensure relevancy.

Target Audience: General public, faculty/staff, students.

BMP-5: Education Program for Construction Stormwater Activities

The University of South Alabama has a very aggressive construction and new development schedule, which results in almost continuous construction activity. This activity makes it important for there to be a mechanism in place to inform the campus community on steps that can be taken to report potential construction site runoff problems.

Measurable Goals: Develop, staff, and maintain a campus wide inspection regime.

Progress on Goals 2025-2026: A total of 50 BMP stormwater inspections were conducted, thirty-six of which failed, and were reported as incidents. The failed BMP inspections are currently being addressed or have been resolved. There were no additional incidents reported on the USA SEC Department website in 2025. William Guess has informed Student Community Groups of reporting procedures. Construction site runoff reporting is included in the "Confidential Environmental/ Hazard Report" on the Safety and Environmental Compliance website. Confidential Environmental/Hazard Report | Department of Safety and Environmental Compliance (southalabama.edu) .

Planned Activities for 2026-2027: Continue with current programs, add more mechanisms to inform the campus community where/when applicable.

Target Audience: General public, faculty/staff, students, Visitors, and Contractors

BMP-6: Education on Importance of Water Quality

The education of the campus community on the importance of water quality is a vital priority for the Department of Safety and Environmental Compliance. Among the campus community, students are a major focus group. This group is likely to have a significant future impact on national, state, and local attitudes toward water quality issues. SEC, in partnership with USA's MS4 Advisory Committee, will review, edit and modify materials and programs to ensure relevancy to the University of South Alabama student population and current issues. SEC will provide information regarding education of the importance of water quality as part of the annual report.

Measurable Goals:	Coordinate with the MS4 Advisory Committee on water quality issues.
Progress on Goals 2025-2026:	There was one MS4 Advisory Committee meetings in 2025.
Planned Activities for 2026-2027:	Continue with meetings in 2026 as needed, and training as part of employee orientation will continue as well.
Target Audience:	General public, Faculty/staff , students.

BMP-7: Education of University Employees and Contractors

In order to ensure that the University of South Alabama construction project and contractor supervisors are informed on the most current policies and procedures related to sediment and erosion control on construction sites, the Safety and Environmental Compliance and the Engineering & Design and Construction Office have developed educational programs to communicate principles of sediment and erosion control as well as targeted pollutant sources. This group will review, edit, and modify educational and training programs regarding the proper design, selection, implementation and maintenance of erosion and sediment control on construction sites. SEC will provide information regarding education of construction supervisors as part of the annual report.

Measurable Goals:	Develop communication protocols for contractors and education programs for existing staff and new hires.
Progress on Goals 2025-2026:	A total of 449 employees/contractors/construction supervisors were educated on erosion and sediment control on construction sites, in accordance with the MS4 permit. Training programs such as the “Illicit Discharge Toolbox Talk” for a permit refresher, and the “New Employee Orientation Revision” for new hires, have continued in 2025. See Appendix C for the new orientation PowerPoint, as well as the toolbox talk.
Planned Activities for 2026-2027:	Update training program with edited or new information as required.
Target Audience:	Contractors, Staff and Project Managers

BMP-8: Adopt a Stream Signage

The University has installed signage that encourage the general public, staff, and students to protect waterways and to Increase public awareness of the Campus’ nonpoint source pollution and water quality issues.

Measurable Goals:	Number of campus and stream clean-up days and amount of trash collected.

Progress on Goals 2025-2026:	At least 7 campus cleanup days took place in 2025 comprised of a group from the Sustainability Committee, averaging 5-6 bags per cleanup.
Planned Activities for 2026-2027:	Update training program with edited or new information as required.
Target Audience:	General Public, faculty/staff, students.

4. Public Involvement and Participation

The University of South Alabama is implementing a public involvement program which will create opportunities for the campus community to get involved in the Storm Water Management Program (SWMP). Opportunities for involvement in activities that directly benefit the environment and lead to improvements in overall water quality will be available. SEC will notify the campus community of opportunities to participate in water quality improvement activities and SWMP implementation by public notice of MS4 Advisory meetings. These public notice announcements of meetings will be published in the Vanguard campus newspaper and in the University of South Alabama electronic media; http://www.southalabama.edu/specialprojects/usasustainability/.

SEC will utilize a variety of outreach methods to encourage public involvement in the Storm Water Management Program Plan (SWMPP). The goals are to identify ways to notify individuals of opportunities to participate in activities related to the SWMPP, to provide opportunities for the campus community to participate in activities leading to water quality improvement and identify activities that have relevance to the SWMPP and improved water quality.

The University of South Alabama's public involvement initiatives for the year 2025 reporting were effective in fostering community engagement and advancing stormwater awareness. The MS4 Advisory Committee met as required, and continued efforts such as storm sewer inlet marking achieved approximately 95% coverage, demonstrating substantial progress toward full compliance. Public participation through campus cleanup events was robust, with six events resulting in the collection of 798 pounds of trash. These activities reflect strong collaboration between the University's Safety and Environmental Compliance (SEC) Department and the campus community, reinforcing shared environmental responsibility and commitment to the MS4 program goals.

Rationale

The University's stormwater management program(s) can be greatly improved by involving the community throughout the entire process of developing and implementing the program. Involving the public benefits the University as well as the community. By listening to the public's concerns and coming up with solutions together, the University will gain the public's support and the community will become invested in the program.

BMP-1: MS4 Advisory Committee

To oversee the implementation of the SWMPP and provide advice and consultation, SEC created the MS4 Advisory Committee (previously incorrectly referred to as the Storm Water Management Committee). The MS4 Advisory Committee is made up of various members of the campus community who have a stake in SWMPP; individuals with an expertise which would be of benefit to the program and other representatives of the campus community. The MS4 Advisory Committee will meet on an as need basis but at least once per year. During this permit cycle Safety and Environmental Compliance will request committee review of the education materials, inspection procedures, guidance information and investigation methods detailed in the BMPs specified in the six minimum control measures. SEC will provide notifications of committee meetings to the campus community through regular notice.

Measurable Goals: Post minutes of the MS4 Advisory Committee's meeting on the Safety and Environmental Compliance Website.

Progress on Goals 2025-2026: The committee conducted one meeting in 2025.

Planned Activities for 2026-2027: MS4 Advisory Committee to continue meeting in 2026.

Target Audience: Committee Members, Campus Community

BMP-2: Storm Sewer Marking

The storm sewer marking campaign provides a way for civic organizations and individuals to make a positive, hands-on, impact on local water quality. SEC will provide storm sewer inlet medallions, which state, "Drains to Three Mile Creek" or "Drains to 12 Mile Creek" and adhesive to attach said medallions. To ensure continued success through the permit cycle SEC will seek to identify groups that may be interested in program participation, provide support to individuals or groups who volunteer for storm sewer marking and the Adopt-A-Stream program and update procedures as needed.

Measurable Goals: Continuation of storm sewer marking campaign and civic group engagement with the ultimate goal of 100% of 683 inlets marked, marking of newly installed inlets, and replacement of missing or damaged inlets.

Progress on Goals 2025-2026: There was a total of 60 medallions marked in 2025, with approximately 30 being replacements. See Appendix K regarding the inlet medallions. Approximately 95% of all inlets along Three Mile Creek and Twelve Mile Creek are marked with medallions.

Planned Activities for 2026-2027: USA SEC Department plans to place as many medallions as possible on any unmarked inlets along Three Mile Creek and Twelve Mile Creek. Once new construction projects are completed, USA SEC Department will identify the number of new inlet medallions needed and start with placement.

Target Audience: General public, faculty/staff, students.

5. Illicit Discharge Detection and Elimination

The MS4 Permit requires the University to implement an ongoing program to detect and eliminate illicit discharges and improper disposals to the MS4. According to 40 CFR 122.26(b)(2), an Illicit Discharge is defined as follows:

"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 (other than the NPDES permit for discharges from the municipal separate storm sewer) and discharges resulting from firefighting activities."

Section (p)(3)(B)(ii) of the Clean Water Act specifically requires an effective prohibition of non-storm water in the University's MS4 Permit. According to the MS4 Permit, the following discharges, whether discharged separately or commingled with municipal stormwater, are not authorized:

Industrial and Non-Storm Water discharges are not permitted under this program. There shall be no trace of any stormwater or non-stormwater discharge associated with industrial activity unless the discharges are regulated by a separate NPDES permit.

The University may allow, in accordance with 40 CFR 122.26(d)(2)(iv)(B)(1), certain non-stormwater discharges to the MS4. The Storm Water Management Program shall identify any non-stormwater discharges allowed under this paragraph:

- Water line flushing.
- Landscape irrigation.
- Diverted stream flows and uncontaminated ground water infiltration.
- Uncontaminated pumped groundwater and infiltration defined as 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.
- Discharges from portable water sources.
- Foundation and footing drains.
- Air conditioning drains.
- Irrigation water (not consisting of treated or untreated wastewater).
- Rising ground water and springs.
- Water from crawl space pumps and footing drains.
- Lawn watering runoff.
- Individual residential car washing, to include charitable carwashes.
- Residual street wash water.
- Discharge or flows from firefighting activities (including fire hydrant flushing).
- Flows from riparian habitats and wetlands.

- Dechlorinated swimming pool discharges.
- Discharges authorized and in compliance with a separate NPDES permit.

Prohibited Storm Water Discharges

The following discharges are not authorized by this permit:

- Discharges that are mixed with sources of non-stormwater unless such non-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.
- Stormwater discharges associated with industrial activity as defined in 40 CFR Part 122.26(b)(14)(i)-(ix) and (xi).
- Stormwater discharges associated with construction activity as defined in 40 CFR Part 122.26(b)(14)(x) or 40 CFR 122.26(b)(15) and subject to Alabama Department of Environmental Management (ADEM) Code r. 335-6-12.
- Stormwater discharges currently covered under another NPDES permit.
- Discharges to territorial seas, contiguous zone, and the oceans unless such discharges are in compliance with the ocean discharge criteria of 40 CFR Part 125, Subpart M;
- Discharges that would cause or contribute to instream exceedances of water quality standards.
- Discharges of any pollutant into any water for which a Total Maximum Daily Load (TMDL) has been approved or developed by EPA unless the discharge is consistent with the TMDL.
- Illicit discharges, including spills, of oils or hazardous substances, from responsibilities and liabilities under State and federal law and regulations pertaining to those discharges.
- The discharge of sanitary wastewater through cross connections or other illicit discharges through the MS4 is prohibited.

BMP-1: Develop Improper Disposal of Discharges Policy

Measurable Goals: Review and update policies and SOPs that relate to improper discharges on a yearly basis or more frequent if necessary.

Progress on Goals 2025-2026: After thorough review, no SOP changes were needed.

Planned Activities for 2026-2027: Continue with policy and SOP updates as needed and continue monitoring for successful implementation.

Target Audience: Faculty/staff

BMP-2: Authorization to Control Improper Disposal of Discharges

Measurable Goals: Identify Department(s) that have authority to direct those causing the illicit discharge to cease discharge activities.

Progress on Goals 2025-2026: Mr. William Guess (Director, Safety and Environmental Compliance) has been given authority requiring activities to cease if generating improper discharges. See current letter of authority in Appendix F. There has been no change regarding the decrease in reported illicit discharges (0 reported illicit discharges).

Planned Activities for 2026-2027: SEC to continue exercising authority to cause improper activities to cease.

Target Audience: Faculty/staff

BMP-3: Dry Weather Screening

Measurable Goals: Dry weather screening of approximately 15% of major outfalls was to occur annually with all (100%) of major outfalls being screened at least once during the five-year period.

Progress on Goals 2025-2026: 100% Complete for the yearly requirement. Eight inspections were conducted in 2025. The dry weather screening percentage complies with the 15% minimum. The outfall inspections for 2025 can be found in Appendix B.

Planned Activities for 2026-2027: Continue with screening program as required. The 5-year 100% outfall inspections began in Quarter 2 of 2023. There are a total of 29 outfalls to be inspected every five years. Six IDDE inspections per year is the minimum requirement.

Target Audience: Staff

BMP-4: Stormwater Network Mapping

Measurable Goals: Review of storm drain outfall location map for updates on a yearly basis.

Progress on Goals 2025-2026: The map was reviewed and updated as of 2/13/2026.

Planned Activities for 2026-2027: Review and update as needed

Target Audience: Staff

BMP-5: IDDE Reporting

Measurable Goals:	The University will develop and maintain a stormwater discharge monitoring policy and systems to report and investigate illicit discharges. This policy will be posted on the University's website.
Progress on Goals 2025-2026:	Illicit discharge reporting can be done through the "Confidential Environmental/ Hazard Report" on USA's website. The website had 1,181 hits in 2025. There were 0 confidential reports for 2025. The confidential reporting system was tested three times by Office Staff, all of which were successful in the notification process. Confidential Environmental/Hazard Report | Department of Safety and Environmental Compliance (southalabama.edu)
Planned Activities for 2026-2027:	Review and update as needed
Target Audience:	General public, faculty/staff, students

BMP-6: IDDE Plan Implementation

Measurable Goals:	Train personnel performing illicit discharge screening on the IDDE Plan at least once per year.
Progress on Goals 2025-2026:	100% of trained staff considered training effective
Planned Activities for 2026-2027:	Review and update screening as needed. No contrary updates have been issued.
Target Audience:	General public, faculty/staff, students

BMP-7: Reporting of Improper Disposal of Discharges

Measurable Goals:	Maintain confidential reporting system webpage to allow reporting of non-stormwater discharges into storm drains.
Progress on Goals 2025-2026:	For 2025, there were zero reported improper discharges. The "Confidential Environmental/Hazard Report" on USA's website is used for all environmental/hazard issues, including the reporting of non-stormwater discharges into storm drains. Confidential Environmental/Hazard Report | Department of Safety and Environmental Compliance (southalabama.edu). Functionality of the confidential reporting system has been confirmed.
Planned Activities for 2026-2027:	Update and monitor reporting system as necessary.

Target Audience: General public, faculty/staff, students

BMP-8: Maintenance

Measurable Goals: Maintain and update campus stormwater conveyance system, including Three Mile Creek outfalls.

Progress on Goals 2025-2026: Conducted inspections as required and in conjunction with dry weather reporting and kept general campus maintained. Campus groundskeepers monitor conditions and maintain inlets and outfalls as needed. Logs for this work are maintained by the grounds department and are available on request.

Planned Activities for 2026-2027: Continue with maintenance activities.

Target Audience: Staff

BMP-9: Education

Measurable Goals: Educate the campus community (students, staff, faculty, and visitors) on the prohibition of dry weather flows into the University's stormwater system.

Progress on Goals 2025-2026: During the 2025 reporting period, education regarding the prohibition of dry weather flows was conducted through new employee orientation, toolbox training sessions, and distribution of stormwater outreach materials. These efforts ensured continued awareness and compliance with MS requirements.

Planned Activities for 2026-2027: Continue with public education and outreach. Review and update dry weather flow education as needed.

Target Audience: General public, faculty/staff, students

BMP-10: Train Staff

Measurable Goals: Conducting training of University staff and faculty at least once per permit cycle. Grounds and Project Management departments new team members receive IDDE Awareness training within six months of employment or as determined by the Department to which the employee is assigned. USA SEC Department to repeat training at an interval of every 5-years or less.

Progress on Goals 2025-2026: IDDE Awareness Training is completed via new employee orientation. Illicit Discharge Toolbox Talk has also been implemented as a permit refresher. See Appendix C for both

training materials. 100% of trained staff considered the training effective for both sets of training.

Planned Activities for 2026-2027: Provide training to all new hires during department orientation and review/update IDDE Awareness training as needed.

Target Audience: Faculty, staff

BMP-11: Analyze Illicit Discharges

Measurable Goals: Analyze data of illicit discharges.

Progress on Goals 2025-2026: Eight outfalls were analyzed in 2025. No illicit discharges were discovered. There is no change in the percentage of illicit discharges due to the fact there were zero incidents since the beginning of the current inspection cycle. The 5-year 100% outfall inspections began a new rotation in Quarter 2 of 2023.

Planned Activities for 2026-2027: Continue monitoring outfalls for illicit discharges and use inspection results to target education and prevention efforts.

Target Audience: Staff

BMP-12: Three Mile Creek & Twelve Mile Creek Monitoring

Measurable Goals: Conduct quarterly monitoring of BOD, COD, DO, E. Coli, Fecal coliform at an upstream and downstream location that encompasses the University's MS4 area.

Progress on Goals 2025-2026: 100% compliance with quarterly monitoring program test results was achieved in 2025. Quarterly monitoring has been conducted and provided for in this report. Test results have been obtained from Analytical Chemical Testing Lab (ACT Lab).

Planned Activities for 2026-2027: Continue with the BMP.

Target Audience: General public, faculty/staff, students

6. Construction Site Storm Water Runoff Control

The construction site runoff control measure consists of BMPs that focus on the reduction of pollutants in stormwater runoff that originate from construction activities involving land disturbances of one acre or greater. The pollutant of greatest concern is sediments from land disturbance activities. The selected BMPs are designed to minimize erosion and the transfer of sediments from construction to adjacent areas and outfalls.

Rationale

Each BMP within the construction site runoff control measures was selected by analyzing techniques utilized by other permitted entities, analyzing the effectiveness of previously utilized BMPs and consideration of the selected BMPs applicability to permit provisions.

The construction site runoff control measures are designed to do the following: identify mechanisms which will be used to require sediment and erosion controls on construction sites, to establish enforcement procedures, to establish requirements for construction site supervisors to implement erosion and sediment control BMPs, to establish requirements for waste control on construction sites, to establish procedures for site plan reviews that consider water quality impacts, to establish procedures for site inspection and enforcement, and to develop education and training for construction site supervisors and the University of South Alabama personnel overseeing construction projects. A Quality Control (QC) consultant performs the associated inspections. The success of the construction site runoff control measure BMPs will be evaluated through analysis of each BMP goal.

BMP-1: Education

Training to be developed and provided to the University of South Alabama project supervisors and managers. This training will include proper site management procedures as well as protocols for reporting discharges and inspection results. To ensure personnel and contractors are properly trained, Safety and Environmental Compliance will ensure that training materials take advantage of new technologies for managing stormwater runoff on construction sites. Educational programs will be updated and modified as needed. QCI training shall be 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 at least once per year.

Measurable Goals:	Provide training to the University of South Alabama applicable personnel.
Progress on Goals 2025-2026:	There were a total of 32 supervisors and managers trained in 2025. 100% of trained staff considered the training effective. There is no change due to the fact that 100% of trained staff considered the training effective in 2025.
Planned Activities for 2026-2027:	Continue with the BMP.
Target Audience:	Staff

BMP-2: Construction Plan Review for Construction Stormwater

In order to effectively minimize occurrences of erosion and sediment transfer at construction sites the construction process must begin with the development of plans that incorporate BMPs for construction sites that are relevant to site conditions. To accomplish this the University of South Alabama will detail requirements for written project sediment and erosion control plans; implement plan review procedures to address conformance to stormwater guidelines and the use of erosion controls; and provide an opportunity for the MS4 Advisory Committee to review procedures to evaluate effectiveness.

Measurable Goals:	Number of plans reviewed.
Progress on Goals 2025-2026:	There was one set of plans reviewed in 2025, which is an ongoing current project.
Planned Activities for 2026-2027:	Continue with BMP.
Target Audience:	Staff

BMP-3: Construction Site Inspections

The University of South Alabama has developed standardized procedures for conducting construction site inspections to ensure compliance with stormwater management requirements. The University of South Alabama will review existing procedures for tracking construction activities and revise as needed.

For sites greater that 1-acre, the University uses the ADEM NOI process inclusive of individual CBMPP manuals and erosion control plans through ADEM's AEPACS system. This allows for a consistent approach to the mitigation of runoff from construction sites and ensures that the University is up to date with ADEM's general permit requirements for construction stormwater management. The University contracts with a consulting firm to perform the inspections required as a result of rainfall threshold exceedance or in the event of no rainfall, 30-day inspections in conjunction with daily inspections by the contractor. Reports are generated by the consulting engineer indicating any deficiencies in the BMPs and actions required to remedy the issues identified.

Additionally, the University conducts its own inspections via staff. When observations indicate repairs to BMPs are required, the issues are communicated to the contractor for immediate rectification. For sites less that 1-acre, the University conducts internal reviews with the assistance of an outside consulting firm to ensure construction stormwater impacts are minimized. The University of South Alabama will require contractors to utilize an independent QC to inspect and monitor construction sites. The University of South Alabama will require contractors to take immediate corrective actions when conditions are discovered that are not in compliance with construction site stormwater guidelines. The University of South Alabama will maintain copies of QC inspections and corrective actions and report the number in the annual report. The University has developed and implemented a construction site inspection form to include at least the items listed in Parts III.B.3.d.i.

The University maintains an inventory of qualifying construction sites containing relevant contact information for each construction site (i.e., tracking number and construction site contact name, address, phone number, etc.), the size of the construction site, whether the construction site has submitted for permit coverage under ADEM's Construction General Permit ALR100000, and the date the MS4 Advisory Committee received a copy of the site construction plan. The University will make the inventory available upon the Department's request.

Measurable Goals: Report the number of inspections and corrective actions.

Progress on Goals 2025-2026: From a total of 50 BMP inspections, BMPs contained 36 deficiencies. This is being addressed by the USA SEC Department, and corrective actions are being incorporated. This is an increase in violations from last year, considering there were 11 BMP violations in 2024.

Planned Activities for 2026-2027: Continue with BMP.

Target Audience: Staff

BMP-4: Construction Site Problem Reporting

The University of South Alabama will provide a mechanism for the campus community to report storm water and water quality concerns related to construction projects. To this end, the University of South Alabama will provide a phone number and webpage for reporting concerns. Internal systems for accepting reported information will be reviewed and modified as necessary. Those sites reported by the campus community will be investigated. Records regarding the number of public reports received and responded to shall be maintained and included in the annual report.

Measurable Goals: Issues that are encountered with construction activities are currently provided through a consulting firm and in coordination with ADEM and the ADEM NOI process.

Progress on Goals 2025-2026: Thirty-six issues were reported regarding construction activity problems. 100% of issues were reported. The "Confidential Environmental/Hazard Report" on USA's website is used for all environmental/hazard issues, including the reporting of storm water and stormwater quality concerns. Confidential Environmental/Hazard Report | Department of Safety and Environmental Compliance (southalabama.edu). Functionality of the confidential reporting system has been confirmed. There has been a total of 1,181 website hits in 2025. The phone number for reporting stormwater/stormwater quality concerns is the main line for the USA SEC Department (8 AM – 5 PM, Monday – Friday): (251) 460-7070. For any concerns after hours, please call Mr. William Guess at (251) 709-7783.

Planned Activities for 2026-2027: Continue with BMP.

Target Audience: Staff

7. Post Construction Storm Water Management in New Development and Redevelopment

The post construction stormwater runoff measures consist of BMPs that are designed to minimize water quality impacts from new and redevelopments once construction activities are complete. BMPs selected are designed to: ensure that appropriate reviews are conducted, preconstruction conditions are taken into consideration during the design, and to take preconstruction conditions into consideration throughout the design, construction, and postconstruction phases.

The University has developed a site-plan review and approval process and a required re-approval process when changes to post-construction controls are required.

The University will develop procedures for a post-construction process to demonstrate and document that post-construction stormwater measures have been installed per design specifications, which includes enforceable procedures for bringing noncompliant projects into compliance. These procedures are bound within contract documents, completion bonds, maintenance bonds, and performance bonds. The documents either compel the contractor to rectify non-compliant project issues prior to acceptance by the University or provides for remedies during the warranty period.

Independent contractors hired by the University utilize a standardized Land Disturbance Checklist to ensure, to the maximum extent practicable, that the post construction runoff mimics pre-construction hydrology. The checklist is included in Appendix H.

The University of South Alabama encourages and promotes the incorporation and use of low impact development (LID)/green infrastructure where feasible for all of its development projects.

Rationale

Each BMP within the post construction site runoff measures was selected by analyzing techniques utilized by other permitted entities, analyzing the effectiveness of previously utilized BMPs and consideration of selected BMPs applicability to permit provisions.

BMP-1: Plan Review for Construction Activities

In order to mitigate post construction site runoff issues, construction plans will be reviewed to determine if post construction runoff from new and/or redevelopment will adversely affect water quality. If negative effects occur, the plans, procedures or methods will be revised or modified to ensure compliance with stormwater guidelines. A more thorough standard operating procedure for plan reviews will be determined in future MS4 advisory meetings.

Measurable Goals: Report on number of plans reviewed.

Progress on Goals 2025-2026: There was one set of plans reviewed in 2025, which is an ongoing current project.

Planned Activities for 2026-2027: Continue with BMP.

Target Audience: Staff

BMP-2: Three Mile Creek & Twelve Mile Creek Monitoring of Water Quality

To ensure effective review of post-construction BMPs for new and redevelopment projects on the University of South Alabama campus, potential impacts on sensitive or impaired water bodies with approved TMDLs will be evaluated during the plan review process. The University will consult the most recent 303(d) list of impaired waters to identify any potentially affected water bodies. Approved TMDLs will also be reviewed for relevance to the project. These reports are analyzed annually to identify trends and inform decision-making.

Measurable Goals: Conduct quarterly inspections on the biological health of the creeks for BOD, COD, DO, E. coli, and Fecal coliform.

Progress on Goals 2025-2026: 100% compliance attained regarding quarterly inspections on the biological health of Three Mile Creek and Twelve Mile Creek for BOD, COD, DO, E. coli, and Fecal coliform in 2025.

Planned Activities for 2026-2027: Continue with BMP and hold consultants accountable to ensuring these tests are completed quarterly as required.

Target Audience: General public, faculty/staff, students

BMP-3: LID/Green Infrastructure and Structural BMP Inspections

Measurable Goals: Conduct annual inspections on all LID/Green Infrastructure and structural BMPs.

Progress on Goals 2025-2026: Annual inspections have been made by USA SEC Staff. No maintenance/replacement has been needed.

Planned Activities for 2026-2027: Continue with BMP.

Target Audience: Staff

BMP-4: Record Keeping of Inspections and Maintenance

Measurable Goals: Maintain 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 postconstruction BMPs.

Progress on Goals 2025-2026: Postconstruction BMP information is kept by the USA Engineering, Design, and Construction (ED&C) Department and is available upon request.

Planned Activities for 2026-2027: Continue with BMP.

Target Audience: Staff

BMP-5: Stormwater Network Mapping

Measurable Goals: Review of storm drain location map for updates on a yearly basis.

Progress on Goals 2025-2026: The map was reviewed and updated as of 2/13/2026.

Planned Activities for 2026-2027: Continue with BMP.

Target Audience: Staff

8. Pollution Prevention and Good Housekeeping

The Pollution Prevention and Good Housekeeping measure is made up of BMPs that focus on the reduction of pollutants in the stormwater runoff that originated from the University of South Alabama operation and maintenance activities. The operations and maintenance activities include vehicle equipment maintenance, materials handling and storage, and facility operations. The BMPs selected will focus on the prevention of circumstances that have the potential to create polluted runoff.

Rationale

Each BMP within the pollution prevention and good housekeeping measure was selected by analyzing techniques utilized by other permitted entities, analyzing the effectiveness of previously utilized BMPs and consideration of selected BMPs applicability to permit provisions.

BMP-1 Road Maintenance

Routine street maintenance has significant potential to contribute to pollution runoff. In order to minimize potential impact from street maintenance the University of South Alabama will evaluate existing activities to determine if modifications would benefit stormwater quality. The University of South Alabama will seek to identify alternative procedures or materials that would reduce the potential of maintenance activities contributing to polluted runoff. Specifications and SOP's will be revised according to identified alternative practices. The University of South Alabama will maintain records of road maintenance activities, alternate practices and include this information as a part of the annual report.

Measurable Goals (a): Conduct Road maintenance activities throughout the reporting year.

Progress on Goals 2025-2026: Roads were maintained on an as-needed basis throughout 2025, with proactive identification and repair of issues helping minimize reported problems. A total of three work orders were issued for individual road defects, all of which are either completed or in the planning stages. Pavement overlay of the traffic circle contributed to reducing overall maintenance needs. In total, 45 bags (50 lbs each) of asphalt cold patch were used during the year.

Planned Activities for 2026-2027: Continue with BMP.

Target Audience: General Public, faculty/staff, students

Measurable Goals (b): Number of alternate procedures created through the reporting year.

Progress on Goals 2025-2026: After thorough review, no SOP changes and/or additions were needed.

Planned Activities for 2026-2027: Continue with BMP.

Target Audience: General Public, faculty/staff, students

BMP-2: Litter Collection

The University of South Alabama will continue to promote anti-litter on campus. Several procedures will be utilized in an effort to reduce the discharge of floatable materials into local bodies of water. The University of South Alabama will periodically evaluate the location of litter and trash receptacles, collect litter on an established schedule and adjust locations of receptacles and collection schedules as necessary. Currently a sixty five person Grounds Department crew are dedicated full time to patrolling the campus and internal roadways to police areas for litter. Litter was collected on a daily basis. The University of South Alabama will include information regarding litter collection on campus as part of the annual report.

Measurable Goals: Establishment of schedule of litter collection / maintain schedule of litter collection.

Progress on Goals 2025-2026: The Grounds Department crew consists of 65 individuals that are dedicated full time to patrolling the campus and internal roadways to police areas for litter. See Appendix J regarding the groundskeeper essential job functions. All litter was deposited into 1-20 yard and 3-30 yard roll offs on-site. The roll offs were dumped a total of 67 times in 2025 for a total of 1,990 yards removed from campus and prevented from entering downstream storm systems. There were no reports of litter received by the SEC Department.

Planned Activities for 2026-2027: Continue with scheduled activities.

Target Audience: Staff

BMP-3: Vehicle Maintenance

The University of South Alabama owns and operates a variety of vehicles and equipment used in the operation and maintenance of the facilities and services on campus. These vehicles range from passenger cars, trucks and vans to heavy equipment; all of which require regular maintenance. Improperly maintained vehicles have a greater potential to contribute to water quality impairment. To ensure that vehicles do not contribute to impaired water quality the University of South Alabama will review and update the inventory of the University of South Alabama owned vehicles and equipment. The University of South Alabama will conduct routine maintenance of owned vehicles and shall inspect vehicles for the presence of fluid leaks during routine maintenance. The University of South Alabama will schedule repairs for vehicles determined to have leaks; maintenance records shall be available for review as requested.

Measurable Goals: Retention of existing program

Progress on Goals 2025-2026: There were 9 vehicle leaks reported for university vehicles in 2025. This is significantly less than 2024 which had 25 leaks reported. Continuous monitoring is in place.

Planned Activities for 2026-2027: Continue with BMP.

Target Audience: Staff

BMP-4: Hazardous Material Management

Safety and Environmental Compliance has operated a hazardous material management program for many years. This program along with campus facilities are periodically inspected by regulatory agencies for compliance with standards. SEC has an active material inventory system that tracks and accounts for hazardous materials and chemicals on campus. SEC will continue to operate the hazardous material program and will continue to perform environmental audits in laboratories and facilities on campus.

Measurable Goals: Retention of existing program.

Progress on Goals 2025-2026: No hazardous materials were identified requiring measurement during the reporting period. The University has an existing protocol for the management of hazardous materials and is incorporated into the overall MS4 requirements. The protocol complies with the RCRA permit. Department functions involving hazardous waste and materials management are shown in Appendix G.

Planned Activities for 2026-2027: Continue with BMP.

Target Audience: Staff

BMP-5: Training

Safety and Environmental Compliance will prepare training that focuses on pollution prevention and good housekeeping measures. SEC will identify the University of South Alabama personnel who will be required to attend training and will maintain records to this training. Training materials will focus on vehicle and building maintenance, herbicides, and hazardous material management.

Measurable Goals: Number of Employees Trained.

Progress on Goals 2025-2026: 449 employees have been trained. 100 percent considered the training effective. Thus, being the same percentage as 2024, no change has been noted.

Planned Activities for 2026-2027: Continue with BMP.

Target Audience: Staff

Driven Engineering, Inc.
ADDING VALUE, BUILDING RELATIONSHIPS

8005 Morris Hill Road
Semmes, AL 36575
Phone (251) 649-4011
Fax (251) 645-0971

January 29, 2026

William Guess
University of South Alabama
Department of Safety & Environmental Compliance
600 Clinic Drive
Mobile, Alabama 36688

Subject: MS4 Phase II TMDL Sampling, and Testing, Three Mile and Twelve Mile Creek
2025 Yearly Report
Driven Engineering, Inc. Project no: 25057

Dear Mr. Guess,

Analytical Chemical Testing Laboratory was contracted by Driven Engineering, Inc. on behalf of the University to obtain and test water samples upstream and downstream of the USA campus on a quarterly basis since 2023 at sites known as TMDL-1, TMDL-2, TMDL-3, and TMDL-4.

This Report will include four quarterly testing reports on Three Mile Creek and Twelve Mile Creek. There will be three dry reports and one wet report for both Three Mile and Twelve Mile Creek, with Quarter 1 being reported as the wet quarter.

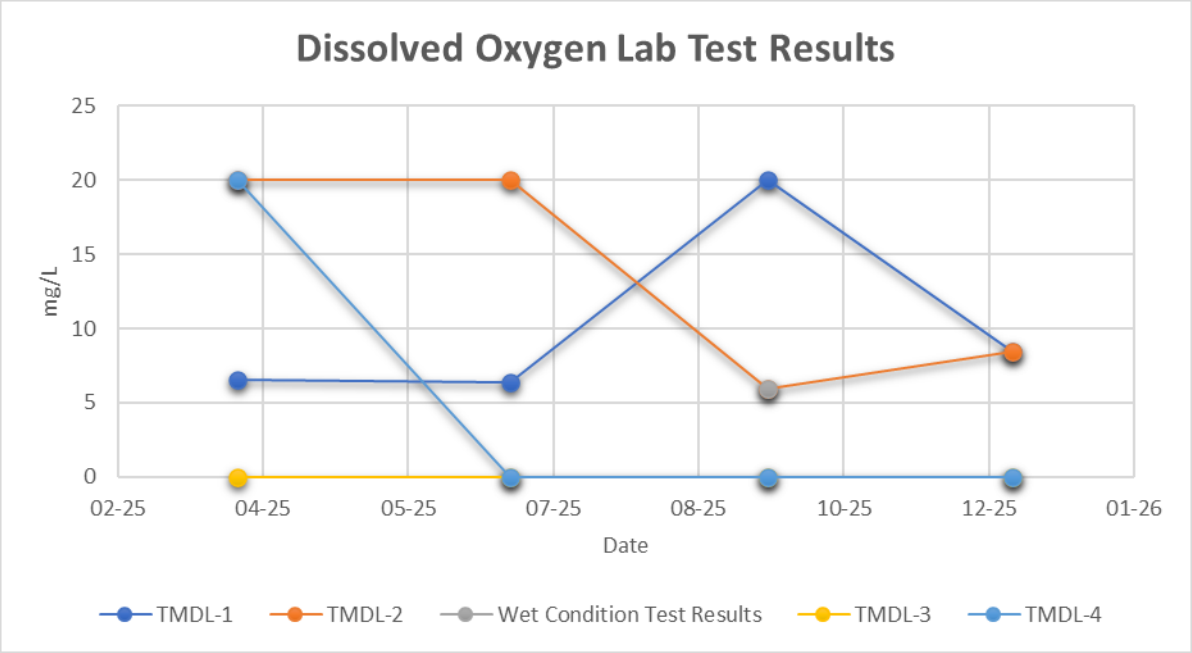
The TMDL-1 site is located near the western boundary of the University. The TMDL-2 site is located near the eastern boundary of the University and downstream of the TMDL-1 site. The TMDL-3 site is located near Hillcrest Rd, on the southernmost west portion of South's property. The TMDL-4 site is located on the southernmost east boundary of South's property, downstream of TMDL-3. The results of the testing throughout the year indicate a healthy water course. The most recent results from 2025 are shown in the tables below. Lab results are presented in Appendix B.

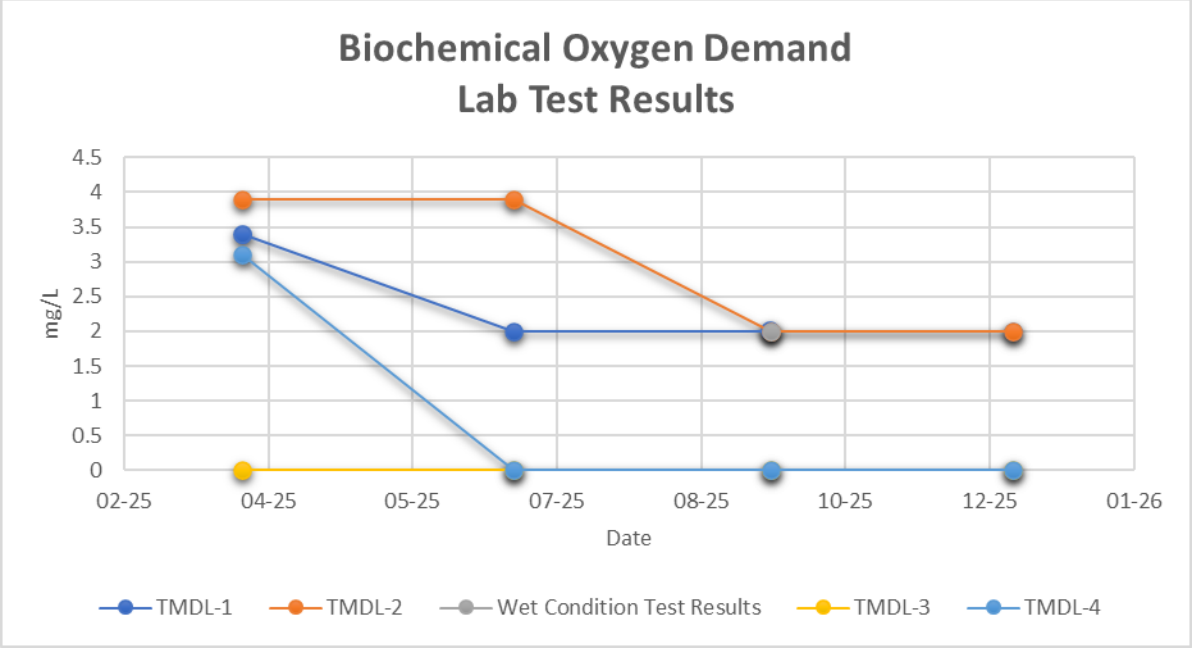
2025 Quarter 1 Test Cycle					
Site	DO	BOD	COD	E.Coli	Fecal Coliform
TMDL-1 (Three Mile Creek)	6.5 mg/L	3.4 mg/L	2.9 mg/L	301.0 mg/L	46.0 mg/L
TMDL-2 (Three Mile Creek)	20.0 mg/L	3.9 mg/L	2.9 mg/L	301.0 mg/L	80.0 CFU / 100mL
TMDL-3 (Twelve Mile Creek)	NOT DETECTED	NOT DETECTED	NOT DETECTED	NOT DETECTED	NOT DETECTED
TMDL-4 (Twelve Mile Creek)	NOT DETECTED	NOT DETECTED	NOT DETECTED	NOT DETECTED	NOT DETECTED
Acceptable Limits:	> 3.0 mg/L	< 5 mg/L	n/a	200-2000 CFU/100ml	200-2000 CFU/100ml

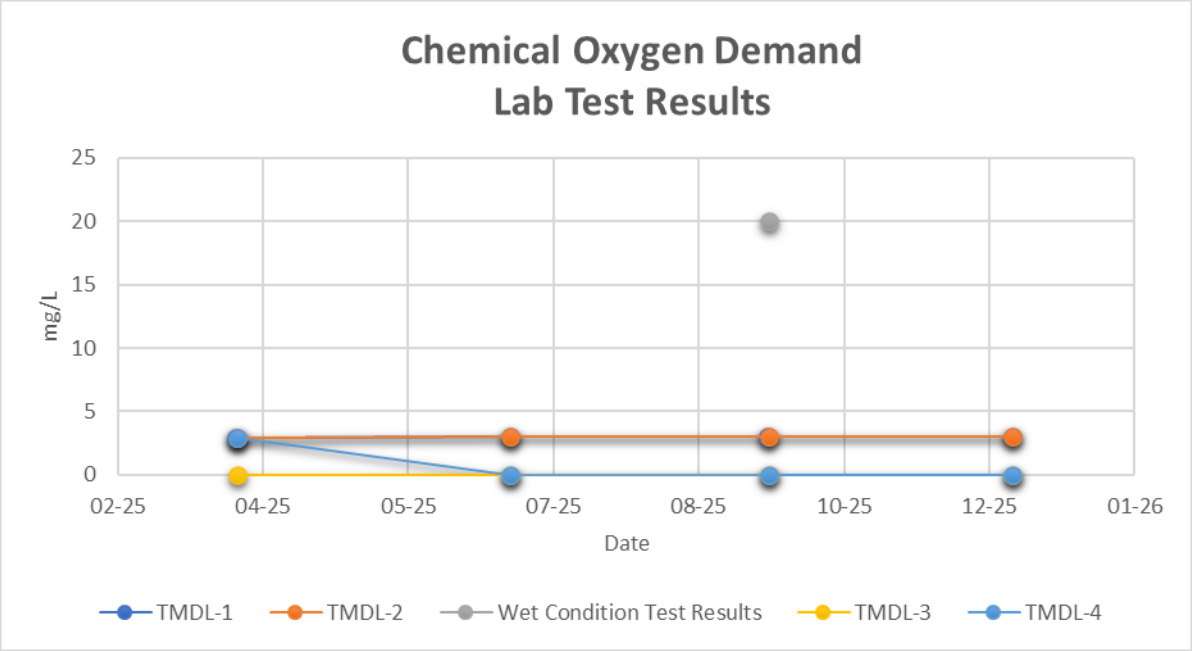
2025 Quarter 2 Test Cycle					
Site	DO	BOD	COD	E.Coli	Fecal Coliform
TMDL-1 (Three Mile Creek)	6.4 mg/L	2.0 mg/L	3.0 mg/L	140.0 mg/L	46.0 mg/L
TMDL-2 (Three Mile Creek)	20.0 mg/L	3.9 mg/L	3.0 mg/L	160.0 MPN / 100mL	80.0 CFU / 100mL
TMDL-3 (Twelve Mile Creek)	0.0 mg/L	0.0 mg/L	0.0 mg/L	0.0 MPN / 100mL	0.0 CFU / 100mL
TMDL-4 (Twelve Mile Creek)	0.0 mg/L	0.0 mg/L	0.0 mg/L	0.0 MPN / 100mL	0.0 CFU / 100mL
Acceptable Limits:	> 3.0 mg/L	< 5 mg/L	n/a	200-2000 CFU/100ml	200-2000 CFU/100ml

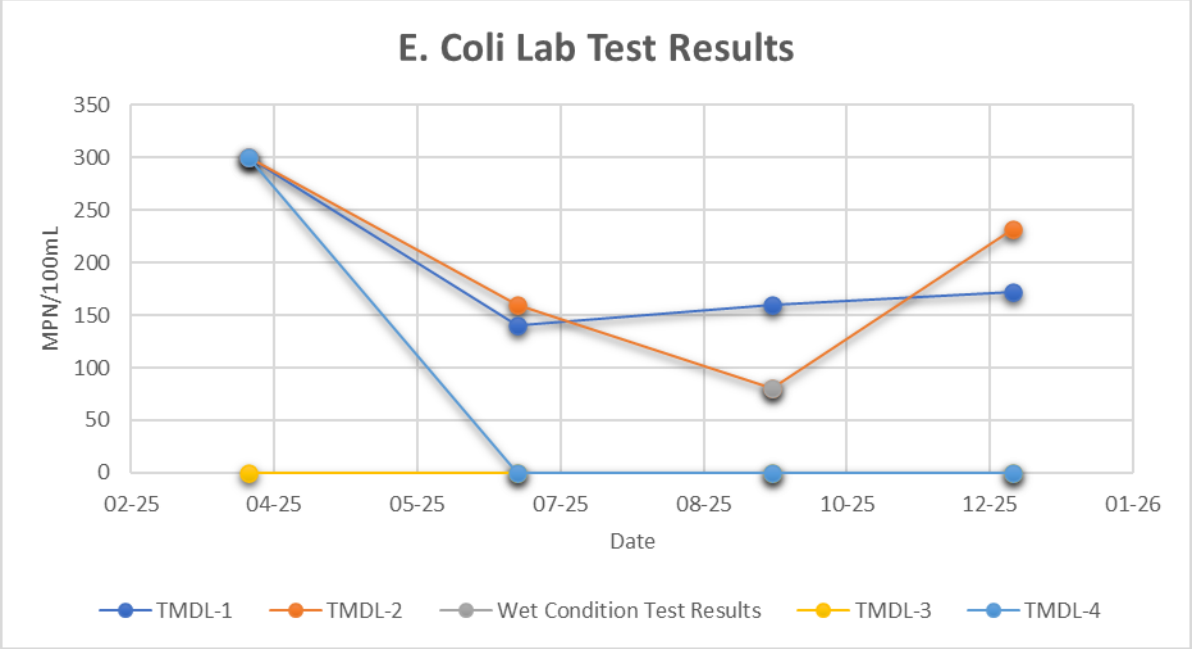
2025 Quarter 3 Test Cycle					
Site	DO	BOD	COD	E.Coli	Fecal Coliform
TMDL-1 (Three Mile Creek)	20.0 mg/L	2.0 mg/L	3.0 mg/L	160.0 mg/L	0.0 mg/L
TMDL-2 (Three Mile Creek)	6.0 mg/L	2.0 mg/L	3.0 mg/L	80.0 MPN / 100mL	0.0 CFU / 100mL
TMDL-3 (Twelve Mile Creek)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
TMDL-4 (Twelve Mile Creek)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
Acceptable Limits:	> 3.0 mg/L	< 5 mg/L	N/A	200-2000 CFU/100ml	200-2000 CFU/100ml

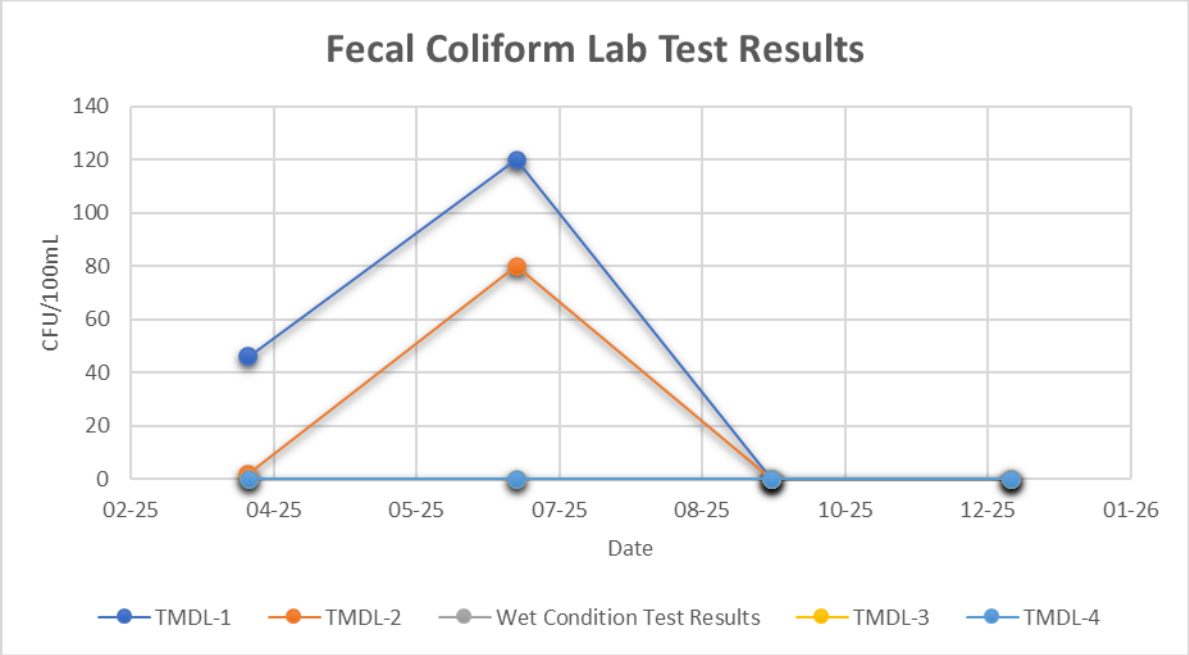
2025 Quarter 4 Test Cycle					
Site	DO	BOD	COD	E.Coli	Fecal Coliform
TMDL-1 (Three Mile Creek)	8.4 mg/L	2.0 mg/L	3.0 mg/L	172.0 MPN / 100mL	0.0 CFU / 100mL
TMDL-2 (Three Mile Creek)	8.5 mg/L	2.0 mg/L	3.0 mg/L	232.0 MPN / 100mL	0.0 CFU / 100mL
TMDL-3 (Twelve Mile Creek)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
TMDL-4 (Twelve Mile Creek)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
Acceptable Limits:	> 3.0 mg/L	< 5 mg/L	n/a	200-2000 CFU/100ml	200-2000 CFU/100ml


Dissolved Oxygen Lab Test Results
25
20
15
10
5
0
mg/L
02-25
04-25
05-25
07-25
08-25
10-25
12-25
01-26
Date
TMDL-1
TMDL-2
Wet Condition Test Results
TMDL-3
TMDL-4


Biochemical Oxygen Demand
Lab Test Results
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
mg/L
02-25
04-25
05-25
07-25
08-25
10-25
12-25
01-26
Date
TMDL-1
TMDL-2
Wet Condition Test Results
TMDL-3
TMDL-4


Chemical Oxygen Demand
Lab Test Results
mg/L
25
20
15
10
5
0
02-25
04-25
05-25
07-25
08-25
10-25
12-25
01-26
Date
TMDL-1
TMDL-2
Wet Condition Test Results
TMDL-3
TMDL-4


E. Coli Lab Test Results
MPN/100mL
350
300
250
200
150
100
50
0
02-25
04-25
05-25
07-25
08-25
10-25
12-25
01-26
Date
TMDL-1
TMDL-2
Wet Condition Test Results
TMDL-3
TMDL-4



Water quality monitoring conducted in 2025 at the Three Mile Creek and Twelve Mile Creek locations indicate that measured parameters generally met applicable TMDL targets and acceptable water quality criteria, with observed conditions consistent with prior monitoring years. Dissolved oxygen concentrations were typically above the minimum TMDL criterion, with only minor variability during wet-weather events; when lower values occurred, they were short-term and associated with rainfall-driven runoff. Biochemical oxygen demand and chemical oxygen demand remained low and within acceptable ranges, indicating no evidence of sustained organic or chemical loading. Bacteria indicators, including *E. coli* and fecal coliform, showed variability related to seasonal and wet-weather conditions, while dry-weather results were generally low or non-detect, and no persistent exceedances w

Overall, 2025 monitoring results indicate stable water quality conditions, with observed fluctuations appearing to be episodic and primarily influenced by hydrologic conditions rather than ongoing sources. Based on the totality of the monitoring data and the structural BMPs documented in the annual MS4 report, results indicate that the creek remains in healthy condition within the University's reporting area. Continued routine monitoring under the MS4 program is appropriate to document seasonal variability and ongoing compliance. Please contact our office if you have any questions.

Sincerely,
Driven Engineering, Inc.

Daniel Overstreet, E.I., P.S.

Avalisha Fisher, P.E.

ANALYTICAL CHEMICAL TESTING
LABORATORY, INC.
Consulting Chemists, Scientists, & Engineers

April 5, 2025

Report To: Driven Engineering, Inc.
8005 Morris Hill Road
Semmes, AL 36575

Report Of: USA MS4 – Three and Twelve-Mile Creek Locations Upstream/Downstream
Proposal #1: 1-1, 1-2, 1-3, 1-4 Locations - Sampling, Testing 1ST Quarter 2025
Purchase Order #: 17005

Job #: 25-3793

Attention: Mr. Andrew Watley, E.I.T.

Analytical Chemical Testing Laboratory, Inc. has completed the analysis of water samples taken from the above listed locations. The samples were analyzed as directed, and the following is reported:

SAMPLED: 03/25/25 by S. Lindqvist
ANALYZED: 03/25/25 – 04/03/25 by SWL, TDM
REVIEWED: 04/05/25 by R. Naman

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-0325-1 Grab Sample **Upstream** **Location 1-1, USA M4** Sampled: 03/25/25 @ 1058 Sampled by: S. Lindqvist	Dissolved Oxygen	6.53 p.p.m.	0325-1058-SWL
	E. coliform	>300colonies/100mL T.N.T.C.	0325-1200-SWL
	Fecal coliform	46 colonies/100mL	0325-1204-SWL
	Chemical Oxygen Demand (COD)	<3 p.p.m.	0325-1300-SWL
	Biochemical Oxygen Demand (BOD_5)	3.4 p.p.m.	0327-1805-TDM

T.N.T.C. = Too numerous to count
p.p.m. = parts per million = mg/L = milligrams per liter

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-0325-2 Grab Sample **Downstream** **Location 1-2, USA M4** Sampled: 03/25/25 @ 1038 Sampled by: S. Lindqvist	Dissolved Oxygen	>20 p.p.m.	0325-1144-SWL
	E. coliform	>300colonies/100mL T.N.T.C.	0325-1208-SWL
	Fecal coliform	2 colonies/100mL	0325-1212-SWL
	Chemical Oxygen Demand (COD)	<3 p.p.m.	0325-1300-SWL
	Biochemical Oxygen Demand (BOD_5)	3.9 p.p.m.	0327-1130-HMR

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-0325-3 Grab Sample **Upstream** **Location 1-3, USA M4** Sampled: 03/25/25 @ 1120 Sampled by: S. Lindqvist	Dissolved Oxygen	No Flow	0325-1120-SWL
	E. coliform	No Flow	0325-1120-SWL
	Fecal coliform	No Flow	0325-1120-SWL
	Chemical Oxygen Demand (COD)	No Flow	0325-1120-SWL
	Biochemical Oxygen Demand (BOD_5)	No Flow	0325-1120-SWL

T.N.T.C. = Too numerous to count
p.p.m. = parts per million = mg/L = milligrams per liter

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-0325-4 Grab Sample **Downstream** **Location 1-4, USA M4** Sampled: 03/25/25 @ 1130 Sampled by: S. Lindqvist	Dissolved Oxygen	>20 p.p.m.	0325-1200-SWL
	E. coliform	>300colonies/100mL T.N.T.C.	0325-1216-SWL
	Fecal coliform	0 colonies/100mL	0325-1220-SWL
	Chemical Oxygen Demand (COD)	<3 p.p.m.	0325-1300-SWL
	Biochemical Oxygen Demand (BOD_5)	3.1 p.p.m.	0325-1200-SWL

T.N.T.C. = Too numerous to count
p.p.m. = parts per million = mg/L = milligrams per liter

METHODS: Standard Methods for the Examination of Water and Wastewater, 21st Edition.
SW-846, Hach HQD40 Portable D.O. Meter (Calibrated: 03/25/25 @ 0945)

We appreciate this opportunity to be of service. If there are any questions, please feel free to call.

Very truly yours,

ANALYTICAL CHEMICAL TESTING LABORATORY, INC.



Robert M. Naman, President
Analytical Chemist
AL Inspector Certification# AIN0222694867
Qualified Credentialed Inspector #T6112
Fellow, American Institute
of Chemists, Reg. 15488

RMN/SWL
Attachments: Custody Form, Invoice

ANALYTICAL CHEMICAL TESTING
LABORATORY, INC.
Consulting Chemists, Scientists, & Engineers

July 11, 2025

Report To: Driven Engineering, Inc.
8005 Morris Hill Road
Semmes, AL 36575

Report Of: USA MS4 – Three and Twelve-Mile Creek Locations Upstream/Downstream
Proposal #1: 1-1, 1-2, 1-3, 1-4 Locations - Sampling, Testing 2nd Quarter 2025
Purchase Order #: 17005

Job #: 25-3793

Attention: Mr. Andrew Watley, E.I.T.

Analytical Chemical Testing Laboratory, Inc. has completed the analysis of water samples taken from the above listed locations. The samples were analyzed as directed, and the following is reported:

SAMPLED: 06/27/25 by S. Lindqvist
ANALYZED: 06/27/25 – 07/10/25 by SWL, RMN
REVIEWED: 07/10/25 by R. Naman

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-0709-1 Grab Sample **Upstream** **Location 1-1, USA M4** Sampled: 06/27/25 @ 1044 Sampled by: S. Lindqvist	Dissolved Oxygen	6.4 p.p.m.	0709-1044-SWL
	E. coliform	140 colonies/100mL	0627-1215-SWL
	Fecal coliform	120 colonies/100mL	0627-1219-SWL
	Chemical Oxygen Demand (COD)	<3 p.p.m.	0711-1100-SWL
	Biochemical Oxygen Demand (BOD_5)	<2 p.p.m.	0628-1000-RMN

p.p.m. = parts per million = mg/L = milligrams per liter

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-0627-2 Grab Sample **Downstream** **Location 1-2, USA M4** Sampled: 06/27/25 @ 1035 Sampled by: S. Lindqvist	Dissolved Oxygen	>20 p.p.m.	0627-1144-SWL
	E. coliform	160 colonies/100mL	0627-1222-SWL
	Fecal coliform	80 colonies/100mL	0627-1226-SWL
	Chemical Oxygen Demand (COD)	<3 p.p.m.	0711-1100-SWL
	Biochemical Oxygen Demand (BOD_5)	3.9 p.p.m.	0628-1000-RMN

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-0627-3 Grab Sample **Upstream** **Location 1-3, USA M4** Sampled: 06/27/25 @ 1100 Sampled by: S. Lindqvist	Dissolved Oxygen	No Flow	0627-1120-SWL
	E. coliform	No Flow	0627-1120-SWL
	Fecal coliform	No Flow	0627-1120-SWL
	Chemical Oxygen Demand (COD)	No Flow	0627-1120-SWL
	Biochemical Oxygen Demand (BOD_5)	No Flow	0627-1120-SWL

p.p.m. = parts per million = mg/L = milligrams per liter

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-0627-4 Grab Sample **Downstream** **Location 1-4, USA M4** Sampled: 06/27/25 @ 1110 Sampled by: S. Lindqvist	Dissolved Oxygen	No Flow	0627-1120-SWL
	E. coliform	No Flow	0627-1120-SWL
	Fecal coliform	No Flow	0627-1120-SWL
	Chemical Oxygen Demand (COD)	No Flow	0627-1120-SWL
	Biochemical Oxygen Demand (BOD_5)	No Flow	0627-1120-SWL

p.p.m. = parts per million = mg/L = milligrams per liter

METHODS: Standard Methods for the Examination of Water and Wastewater, 21st Edition.
SW-846, Hach HQD40 Portable D.O. Meter (Calibrated: 06/27/25 @ 0930)

We appreciate this opportunity to be of service. If there are any questions, please feel free to call.

Very truly yours,

ANALYTICAL CHEMICAL TESTING LABORATORY, INC.



Robert M. Naman, President
Analytical Chemist
AL Inspector Certification# AIN0222694867
Qualified Credentialed Inspector #T6112
Fellow, American Institute
of Chemists, Reg. 15488

RMN/SWL
Attachments: Custody Form, Invoice

ANALYTICAL CHEMICAL TESTING
LABORATORY, INC.
Consulting Chemists, Scientists, & Engineers

October 1, 2025

Report To: Driven Engineering, Inc.
8005 Morris Hill Road
Semmes, AL 36575

Report Of: USA MS4 – Three and Twelve-Mile Creek Locations Upstream/Downstream
Proposal #1: 1-1, 1-2, 1-3, 1-4 Locations - Sampling, Testing 3rd Quarter 2025
Purchase Order #: 17005

Job #: 25-3793

Attention: Mr. Andrew Watley, E.I.T.

Analytical Chemical Testing Laboratory, Inc. has completed the analysis of water samples taken from the above listed locations. The samples were analyzed as directed, and the following is reported:

SAMPLED: 09/24/25 by S. Lindqvist
ANALYZED: 09/24/25 – 10/01/25 by SWL, RMN
REVIEWED: 10/01/25 by R. Naman

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-0709-1 Grab Sample **Upstream** **Location 1-1, USA M4** Sampled: 09/24/25 @ 1008 Sampled by: S. Lindqvist	Dissolved Oxygen	>20 p.p.m.	0924-1008-SWL
	E. coliform	160 colonies/100mL	0924-1214-SWL
	Fecal coliform	0 colonies/100mL	0924-1214-SWL
	Chemical Oxygen Demand (COD)	<3 p.p.m.	1001-0930-SWL
	Biochemical Oxygen Demand (BOD_5)	<2 p.p.m.	0925-1735-RMN

p.p.m. = parts per million = mg/L = milligrams per liter

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-0924-2 Grab Sample **Downstream** **Location 1-2, USA M4** Sampled: 09/24/25 @ 1026 Sampled by: S. Lindqvist	Dissolved Oxygen	5.97 p.p.m.	0924-1144-SWL
	E. coliform	80 colonies/100mL	0924-1219-SWL
	Fecal coliform	0 colonies/100mL	0924-1219-SWL
	Chemical Oxygen Demand (COD)	<3 p.p.m.	1001-0930-SWL
	Biochemical Oxygen Demand (BOD_5)	<2 p.p.m.	0924-1736-RMN

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-0924-3 Grab Sample **Upstream** **Location 1-3, USA M4** Sampled: 09/24/25 @ 1045 Sampled by: S. Lindqvist	Dissolved Oxygen	No Flow	0924-1045-SWL
	E. coliform	No Flow	0924-1045-SWL
	Fecal coliform	No Flow	0924-1045-SWL
	Chemical Oxygen Demand (COD)	No Flow	0924-1045-SWL
	Biochemical Oxygen Demand (BOD_5)	No Flow	0924-1045-SWL

p.p.m. = parts per million = mg/L = milligrams per liter

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-0924-4 Grab Sample **Downstream** **Location 1-4, USA M4** Sampled: 09/24/25 @ 1045 Sampled by: S. Lindqvist	Dissolved Oxygen	No Flow	0924-1045-SWL
	E. coliform	No Flow	0924-1045-SWL
	Fecal coliform	No Flow	0924-1045-SWL
	Chemical Oxygen Demand (COD)	No Flow	0924-1045-SWL
	Biochemical Oxygen Demand (BOD_5)	No Flow	0924-1045-SWL

p.p.m. = parts per million = mg/L = milligrams per liter

METHODS: Standard Methods for the Examination of Water and Wastewater, 21st Edition.
SW-846, Hach HQD40 Portable D.O. Meter (Calibrated: 09/24/25 @ 0915)

We appreciate this opportunity to be of service. If there are any questions, please feel free to call.

Very truly yours,

ANALYTICAL CHEMICAL TESTING LABORATORY, INC.



Robert M. Naman, President
Analytical Chemist
AL Inspector Certification# AIN0222694867
Qualified Credentialed Inspector #T6112
Fellow, American Institute
of Chemists, Reg. 15488

RMN/SWL
Attachments: Custody Form, Invoice

ANALYTICAL CHEMICAL TESTING
LABORATORY, INC.
Consulting Chemists, Scientists, & Engineers

December 31, 2025

Report To: Driven Engineering, Inc.
8005 Morris Hill Road
Semmes, AL 36575

Report Of: USA MS4 – Three and Twelve-Mile Creek Locations Upstream/Downstream
Proposal #1: 1-1, 1-2, 1-3, 1-4 Locations - Sampling, Testing 4th Quarter 2025
Purchase Order #: 17005

Job #: 25-3793

Attention: Mr. Daniel Overstreet.

Analytical Chemical Testing Laboratory, Inc. has completed the analysis of water samples taken from the above listed locations. The samples were analyzed as directed, and the following is reported:

SAMPLED: 12/17/25 by S. Lindqvist
ANALYZED: 12/17-31/25 by SWL, RMN
REVIEWED: 12/31/25by R. Naman

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-1217-1 Grab Sample **Upstream** **Location 1-1, USA M4** Sampled: 12/17/25 @ 0906 Sampled by: S. Lindqvist	Dissolved Oxygen	8.4 p.p.m.	1217-0906-SWL
	E. coliform	172 colonies/100mL	1217-1201-SWL
	Fecal coliform	0 colonies/100mL	1217-1203-SWL
	Chemical Oxygen Demand (COD)	<3 p.p.m.	1231-1145-SWL
	Biochemical Oxygen Demand (BOD_5)	<2 p.p.m.	1217-1345-RMN

p.p.m. = parts per million = mg/L = milligrams per liter

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-1217-2 Grab Sample **Downstream** **Location 1-2, USA M4** Sampled: 12/17/25 @ 0924 Sampled by: S. Lindqvist	Dissolved Oxygen	8.48 p.p.m.	1217-1144-SWL
	E. coliform	232 colonies/100mL	1217-1207-SWL
	Fecal coliform	0 colonies/100mL	1217-1210-SWL
	Chemical Oxygen Demand (COD)	<3 p.p.m.	1231-1145-SWL
	Biochemical Oxygen Demand (BOD_5)	<2 p.p.m.	1217-1351-RMN

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-1217-3 Grab Sample **Upstream** **Location 1-3, USA M4** Sampled: 12/17/25 @ 1006 Sampled by: S. Lindqvist	Dissolved Oxygen	No Flow	1217-1006-SWL
	E. coliform	No Flow	1217-1006-SWL
	Fecal coliform	No Flow	1217-1006-SWL
	Chemical Oxygen Demand (COD)	No Flow	1217-1006-SWL
	Biochemical Oxygen Demand (BOD_5)	No Flow	1217-1006-SWL

p.p.m. = parts per million = mg/L = milligrams per liter

SAMPLE/DATA/INFO	TESTS	RESULTS	DATE/TIME/ANALYST
ACT ID: 25-3793-1217-4 Grab Sample **Downstream** **Location 1-4, USA M4** Sampled: 12/17/25 @ 1006 Sampled by: S. Lindqvist	Dissolved Oxygen	No Flow	1217-1006-SWL
	E. coliform	No Flow	1217-1006-SWL
	Fecal coliform	No Flow	1217-1006-SWL
	Chemical Oxygen Demand (COD)	No Flow	1217-1006-SWL
	Biochemical Oxygen Demand (BOD_5)	No Flow	1217-1006-SWL

p.p.m. = parts per million = mg/L = milligrams per liter

METHODS: Standard Methods for the Examination of Water and Wastewater, 21st Edition.
SW-846, Hach HQD40 Portable D.O. Meter (Calibrated: 12/17/25 @ 0815)

We appreciate this opportunity to be of service. If there are any questions, please feel free to call.

Very truly yours,

ANALYTICAL CHEMICAL TESTING LABORATORY, INC.



Robert M. Naman, President
Analytical Chemist
AL Inspector Certification# AIN0222694867
Qualified Credentialed Inspector #T6112
Fellow, American Institute
of Chemists, Reg. 15488

RMN/SWL
Attachments: Custody Form, Invoice

Driven Engineering, Inc.
ADDING VALUE, BUILDING RELATIONSHIPS

8005 Morris Hill Road
Semmes, AL 36575
Phone (251) 649-4011
Fax (251) 645-0971

March 13, 2025

William Guess
University of South Alabama
Department of Safety & Environmental Compliance
600 Clinic Drive
Mobile, Alabama 36608

Subject: MS4 Phase IV IDDE Outfall Monitoring Report
Driven Engineering, Inc. Project no: 25002

Dear Mr. Guess:

This letter report presents the results of the observation(s) of OF-11 and OF-24 conducted on March 13, 2025, as required by the Phase II MS4 Permit as shown on the Three Mile Creek & Twelve Mile Creek Outfall Map by Driven Engineering, Inc. dated 03/13/2025.

Minimal amounts of sheen were found at both the locations inspected. OF-24 also had visible erosion along side the eastern headwall.

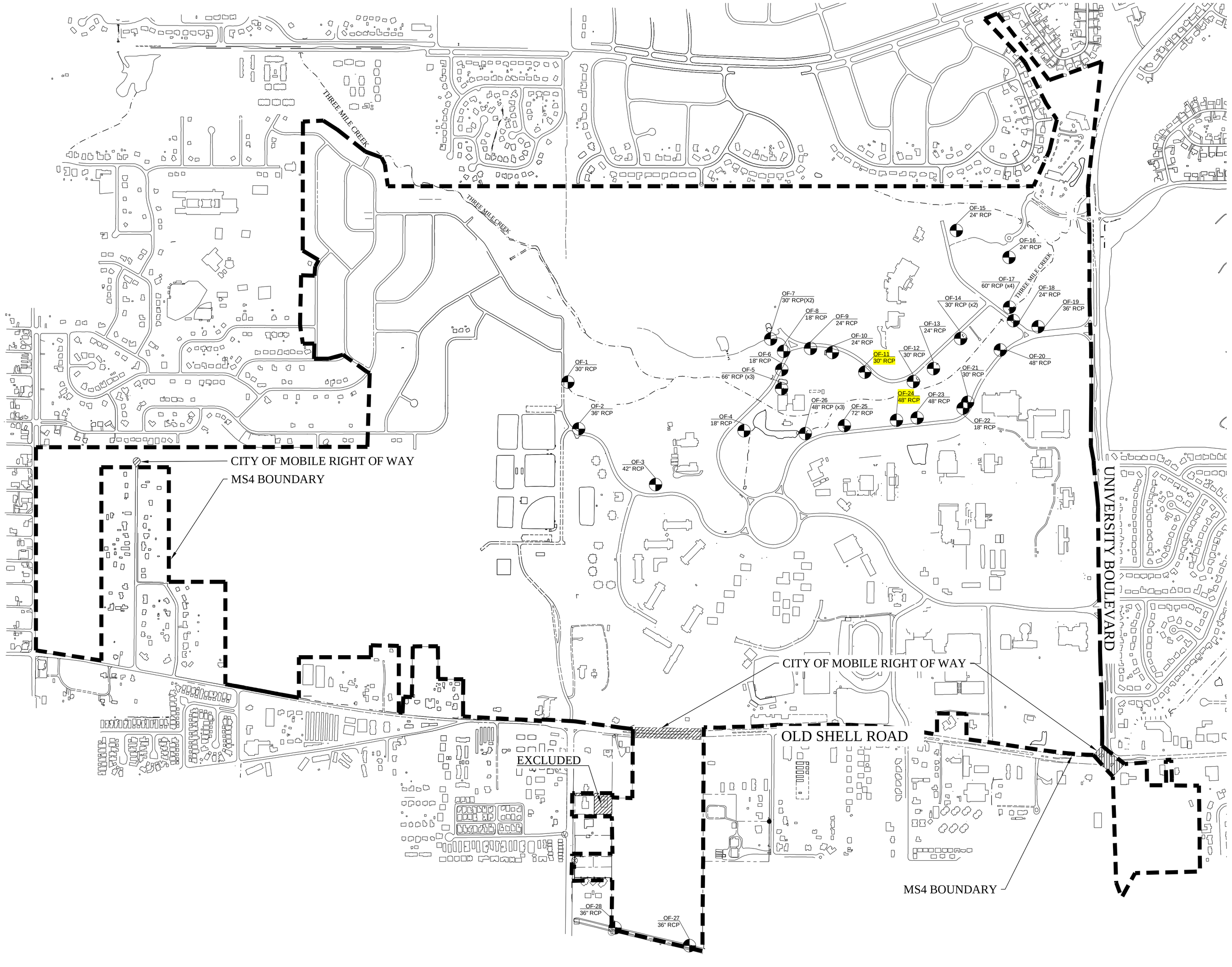
Inspection photos of the above referenced outfalls are shown in Appendix A. Inspection checklists for the outfalls are presented in Appendix B. The updated MS4 Outfall Inspection map can be found in Appendix C.

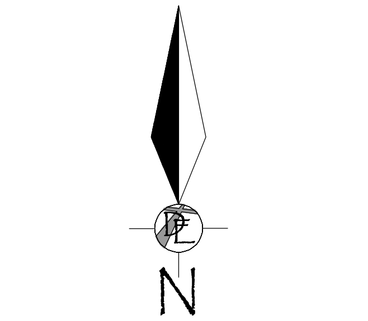
Please contact our office if you have any questions.

Sincerely,
Driven Engineering, Inc.

Andrew Watley, EIT

Avalisha Fisher, P.E.





PRELIMINARY

Outfall	Size	Latitude	Longitude	Inspection Date	Notes
OF-1	30" RCP	30.699584	-88.190830	2023-Q2	Inspected 7/7/2023
OF-2	36" RCP	30.698390	-88.190384	2023-Q2	Inspected 7/7/2023
OF-3	36" RCP	30.696870	-88.188020	2023-Q3	Inspected 8/15/2023
OF-4	18" RCP	30.698286	-88.185054	2023-Q3	Inspected 8/15/2023
OF-5	66" RCP (x3)	30.699500	-88.184100	2023-Q4	Inspected 12/22/2023
OF-7	30" RCP (x2)	30.700800	-88.184400	2023-Q4	Inspected 12/22/2023
OF-8	18" RCP	30.700630	-88.184086	2024-Q1	Inspected 2/20/2024
OF-6	18" RCP	30.699962	-88.183907	2024-Q1	Inspected 2/20/2024
OF-26	48" CMP (x3)	30.698300	-88.183300	2024-Q2	Inspected 6/28/2024
OF-27	36" RCP	30.684300	-88.186800	2024-Q3	Inspected 8/05/2024
OF-9	24" RCP	30.700600	-88.183100	2024-Q3	Inspected 8/05/2024
OF-28	36" RCP	30.684700	-88.189200	2024-Q3	Not Found
OF-10	24" RCP	30.700500	-88.182500	2024-Q3	Inspected 8/05/2024
OF-25	72" RCP	30.698500	-88.182100	2024-Q4	Inspected 10/15/2024
OF-11	30" RCP	30.699722	-88.181389	2025-Q1	Inspected 03/13/2025
OF-24	48" RCP	30.698611	-88.180278	2025-Q2	Inspected 03/13/2025
OF-23	48" RCP	30.699722	-88.179722	2025-Q1	
OF-12	30" RCP	30.699700	-88.179772	2025-Q2	
OF-13	24" RCP	30.700100	-88.179300	2025-Q3	
OF-15	24" RCP	30.703800	-88.178600	2025-Q3	
OF-14	30" RCP (x2)	30.700900	-88.178400	2025-Q4	
OF-21	30" RCP	30.699200	-88.178200	2025-Q4	
OF-22	18" RCP	30.699000	-88.178300	2026-Q1	
OF-20	48" RCP	30.700600	-88.177200	2026-Q1	
OF-17	60" RCP (x4)	30.701700	-88.176900	2026-Q2	
OF-16	24" RCP	30.703100	-88.176900	2026-Q2	
OF-18	24" RCP	30.701400	-88.176700	2026-Q3	
OF-19	36" RCP	30.701200	-88.176000	2026-Q3	

A	04/21/2025	AMW
	MS4 OUTFALL INSPECTION MAP	

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CLIENT:
UNIVERSITY OF SOUTH ALABAMA
307 N UNIVERSITY BLVD
MOBILE, AL 36608

Driven Engineering, Inc.
8005 Morris Hill Road, Semmes, AL 36575
(251) 649-4011 Office
(251) 645-0971 Fax
www.drivenengineering.com

TITLE:
UNIVERSITY OF SOUTH ALABAMA
MS4 OUTFALL INSPECTION MAP

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DATE	SCALE
04/21/2025	1"=500'

DRAWN BY:	CHECKED BY:	APPROVED BY:
AMW		

PROJECT NUMBER: 25002

DRAWING NUMBER	TOTAL SHEETS	REVISION
C01	1	A

Xref ..\MODEL\24002 XR TB MS4 AREA MAP.dwg

Driven Engineering, Inc.
ADDING VALUE, BUILDING RELATIONSHIPS

8005 Morris Hill Road
Semmes, AL 36575
Phone (251) 649-4011
Fax (251) 645-0971

April 23, 2025

William Guess
University of South Alabama
Department of Safety & Environmental Compliance
600 Clinic Drive
Mobile, Alabama 36608

Subject: MS4 Phase IV IDDE Outfall Monitoring Report
Driven Engineering, Inc. Project no: 25002

Dear Mr. Guess:

This letter of report presents the results of the observations(s) of OF-12 and OF-24 conducted on April 21, 2025, as required by the Phase II MS4 Permit as shown on the Three Mile Creek & Twelve Mile Creek Outfall Map by Driven Engineering, Inc. dated 03/13/2025.

OF-12 had no flow and no notable deficiencies. OF-24 had limited flow and a sheen at the time of inspection and apparent scour near the invert.

Inspection photos of the above referenced outfalls are shown in Appendix A. Inspection checklists for the outfalls are presented in Appendix B. The updated MS4 Outfall Inspection map can be found in Appendix C.

Please contact our office if you have any questions.

Sincerely,
Driven Engineering, Inc.

Avalisha Fisher (Apr 23, 2025 16:28 CDT)

Daniel A. Overstreet., E.I.

Avalisha Fisher, P.E.

Stormwater Outfall Inspection Checklist

Outfall ID# 05-12 **Location Aid** MAP/GPS

Date: 4-21-2025 **Time:** 2:00 PM **Weather Today:** PARTLY CLOUDY 81°

Surveyor/Observer: DANIEL O. **Weather over past 72 hours:** CLEAR

Flow Observed (circle): YES (NO)

					Field Monitoring Data (note: fill in units for each parameter)				
1. Flow Observations (fill out this section only if flow is observed)	**Pipe Flow Depth (inches) Note: measure from pipe invert**	**Channel, Ditch or Swale Flow Depth (inches) Note: measure from center of conveyance**	**Flow Appearance / Color**	**Flow Odor**	**Turbidity**	**Temperature**	**pH**	**Conductivity**	**Comments and Notes**
	◯ 0" Depth DRY	⌣ 0" Depth DRY	__ Clear __ Cloudy/Milky __ Dark (Tea) __ Sheen __ Suspended sediment (opaque) ✓ Other *	✓ None __ Chemical __ Petroleum __ Sewage __ Other *	N/A	N/A	N/A	N/A	NO FLOW

2. Structure Details (pipe or other conveyance info.)	**Pipe Material**	**Pipe Condition**	**Channel, Ditch or Swale Condition**	**Diameter or Width (specify distance units)**	**Slope (degrees)**	**Outlet Structure**	**GPS Coordinates**	**Discharge directly to surface water?****	**Comments and Notes**
	__ Clay ✓ Concrete __ Corrugated Steel __ PVC __ Cast Iron __ HDPE __ Steel (DI)	✓ Good __ Cracked __ Exposed Steel __ Corroded __ Other*	✓ Good __ Clogged __ Debris __ Scoured or Eroded __ Other*	30"	✓ Flat __ Moderate __ Steep	✓ Headwall __ Riprap __ Flared End __ No Outlet Protection __ Other*	30°41'59"N Lat 80°10'47"W Lon.	✓ Yes __ No If Yes, Provide Receiving Water Name	—

3. Outfall Observations (general conditions at outfall)	**Deposits**	**Surrounding Vegetation**	**Erodibility**	**Land Use at Outfall**	**Land Use Upstream of Outfall**	**Appearance / Color**	**Odor**	**Sediment Depth (inches) (if present)**	**Comments and Notes**
	✓ None __ Grease/Oil __ Paper/Trash __ Foam __ Heavy sediment deposits __ Other *	✓ Little or No Distress __ Moderate Distress __ High Distress	✓ Little or No Erosion __ Small Areas of Erosion __ Many Eroded Areas	__ Forest __ Agriculture __ Residential ✓ Commercial __ Industrial __ Waterbody __ Detention Pond/Basin	__ Forest __ Agriculture __ Residential ✓ Commercial __ Industrial	✓ Clear __ Cloudy/Milky __ Dark (Tea) __ Sheen __ Suspended sediment (opaque) __ Other *	✓ None __ Chemical __ Petroleum __ Sewage __ Other *	N/A	—

4. Laboratory Analysis (check if submitted)	**Surfactant**	**Ammonia Concentration**	**E. coli**	**Oil & Grease (if oil or sheen is observed)**	**VOCs (if solvent odor is present)**	**Additional Field Comments and Notes**
	N/A	N/A	N/A	N/A	N/A	

Notes:

* Provide additional comments to describe the observations made for the category.

** Discharges directly to surface waters are defined as: any conveyance or discernable concentrated flow (i.e., pipe, swale, ditch) other than overland sheet flow that enters a body of water.

Stormwater Outfall Inspection Checklist

Outfall ID# OF-23 **Location Aid** MAP/GPS

Date: 4-21-2025 **Time:** 2:30

Surveyor/Observer: DANIEL OVERSTREET

Weather Today: PARTLY CLOUDY 81°

Weather over past 72 hours: CLEAR

Flow Observed (circle): YES NO

					Field Monitoring Data (note: fill in units for each parameter)				
1. Flow Observations (fill out this section only if flow is observed)	**Pipe Flow Depth (inches) Note: measure from pipe invert**	**Channel, Ditch or Swale Flow Depth (inches) Note: measure from center of conveyance**	**Flow Appearance / Color**	**Flow Odor**	**Turbidity**	**Temperature**	**pH**	**Conductivity**	**Comments and Notes**
	7" Depth	18" Depth	__ Clear __ Cloudy/Milky __ Dark (Tea) ✓ Sheen __ Suspended sediment (opaque) __ Other *	✓ __ None __ Chemical __ Petroleum __ Sewage __ Other *	N/A	N/A	N/A	N/A	—

2. Structure Details (pipe or other conveyance info.)	**Pipe Material**	**Pipe Condition**	**Channel, Ditch or Swale Condition**	**Diameter or Width (specify distance units)**	**Slope (degrees)**	**Outlet Structure**	**GPS Coordinates**	**Discharge directly to surface water?****	**Comments and Notes**
	__ Clay ✓ Concrete __ Corrugated Steel __ PVC __ Cast Iron __ HDPE __ Steel (DI)	✓ __ Good __ Cracked __ Exposed Steel __ Corroded __ Other*	__ Good __ Clogged __ Debris ✓ Scoured or Eroded __ Other*	4' x 6'	✓ __ Flat __ Moderate __ Steep	✓ __ Headwall __ Riprap __ Flared End __ No Outlet Protection __ Other*	30.6987 Lat. -93.1798 Lon.	✓ Yes __ No If Yes, Provide Receiving Water Name	—

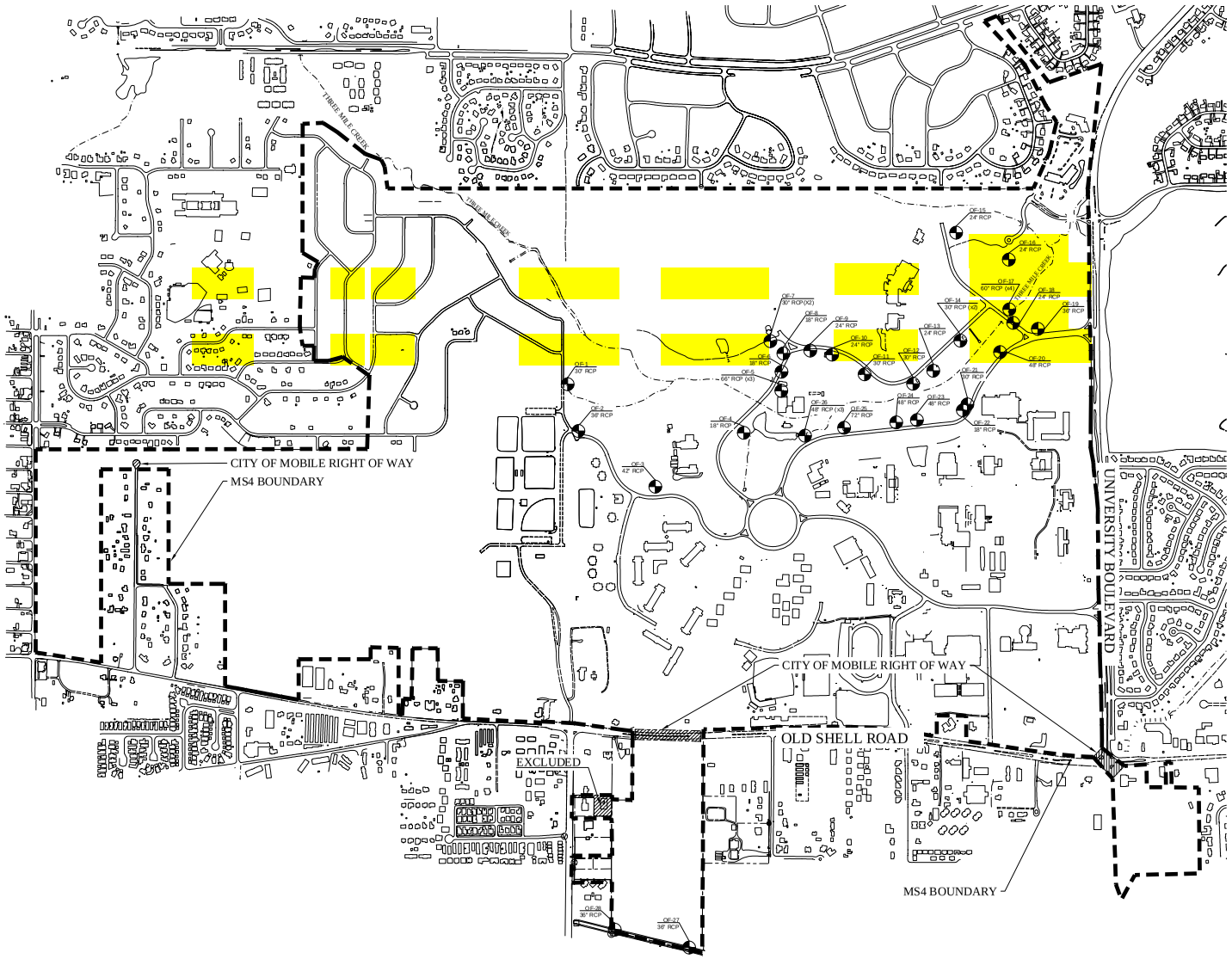
3. Outfall Observations (general conditions at outfall)	**Deposits**	**Surrounding Vegetation**	**Erodibility**	**Land Use at Outfall**	**Land Use Upstream of Outfall**	**Appearance / Color**	**Odor**	**Sediment Depth (inches) (if present)**	**Comments and Notes**
	__ None __ Grease/Oil __ Paper/Trash __ Foam __ Heavy sediment deposits ✓ Other *	✓ __ Little or No Distress __ Moderate Distress __ High Distress	__ Little or No Erosion __ Small Areas of Erosion __ Many Eroded Areas	__ Forest __ Agriculture __ Residential ✓ Commercial __ Industrial __ Waterbody __ Detention Pond/Basin	__ Forest __ Agriculture __ Residential ✓ Commercial __ Industrial	__ Clear __ Cloudy/Milky __ Dark (Tea) ✓ Sheen __ Suspended sediment (opaque) __ Other *	✓ __ None __ Chemical __ Petroleum __ Sewage __ Other *		Observed sheen downstream from outfall

4. Laboratory Analysis (check if submitted)	**Surfactant**	**Ammonia Concentration**	**E. coli**	**Oil & Grease (if oil or sheen is observed)**	**VOCs (if solvent odor is present)**	**Additional Field Comments and Notes**
	N/A	N/A	N/A	N/A	N/A	

Notes:

* Provide additional comments to describe the observations made for the category.

** Discharges directly to surface waters are defined as: any conveyance or discernable concentrated flow (i.e., pipe, swale, ditch) other than overland sheet flow that enters a body of water.



N

500 0 500 1000

SCALE: 1"=500'

Outfall	Size	Latitude	Longitude	Inspection Date	Notes
OF-1	30" RCP	30.699584	-88.190830	2023-Q2	Inspected 7/7/2023
OF-2	36" RCP	30.698390	-88.190384	2023-Q2	Inspected 7/7/2023
OF-3	36" RCP	30.696870	-88.188020	2023-Q3	Inspected 8/15/2023
OF-4	18" RCP	30.698286	-88.185054	2023-Q3	Inspected 8/15/2023
OF-5	66" RCP (x3)	30.699500	-88.184100	2023-Q4	Inspected 12/22/2023
OF-7	30" RCP (x2)	30.700800	-88.184400	2023-Q4	Inspected 12/22/2023
OF-8	18" RCP	30.700630	-88.184086	2024-Q1	Inspected 2/20/2024
OF-6	18" RCP	30.699962	-88.183907	2024-Q1	Inspected 2/20/2024
OF-26	48" CMP (x3)	30.698300	-88.183300	2024-Q2	Inspected 6/28/2024
OF-27	36" RCP	30.684300	-88.186800	2024-Q3	Inspected 8/05/2024
OF-9	24" RCP	30.700600	-88.183100	2024-Q3	Inspected 8/05/2024
OF-28	36" RCP	30.684700	-88.189200	2024-Q3	Not Found
OF-10	24" RCP	30.700500	-88.182500	2024-Q3	Inspected 8/05/2024
OF-25	72" RCP	30.698500	-88.182100	2024-Q4	Inspected 10/15/2024
OF-11	30" RCP	30.699722	-88.181389	2025-Q1	Inspected 03/13/2025
OF-24	48" RCP	30.698611	-88.180278	2025-Q2	Inspected 03/13/2025
OF-23	48" RCP	30.699722	-88.179722	2025-Q1	Inspected 04/21/2025
OF-12	30" RCP	30.699700	-88.179772	2025-Q2	Inspected 04/21/2025
OF-13	24" RCP	30.700100	-88.179300	2025-Q3	
OF-15	24" RCP	30.703800	-88.178600	2025-Q3	
OF-14	30" RCP (x2)	30.700900	-88.178400	2025-Q4	
OF-21	30" RCP	30.699200	-88.178200	2025-Q4	
OF-22	18" RCP	30.699000	-88.178300	2026-Q1	
OF-20	48" RCP	30.700600	-88.177200	2026-Q1	
OF-17	60" RCP (x4)	30.701700	-88.176900	2026-Q2	
OF-16	24" RCP	30.703100	-88.176900	2026-Q2	
OF-18	24" RCP	30.701400	-88.176700	2026-Q3	
OF-19	36" RCP	30.701200	-88.176000	2026-Q3	

A	04/21/2025	AMW MS4 OUTFALL INSPECTION MAP

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307 N UNIVERSITY BLVD
MOBILE, AL 36608

PRELIMINARY

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(251) 645-0971 fax
www.drivenengineering.com

TITLE:
UNIVERSITY OF SOUTH ALABAMA
MS4 OUTFALL INSPECTION MAP

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DATE	SCALE
04/21/2025	1"=500'
DRAWN BY: AMW	CHECKED BY:
APPROVED BY:	
PROJECT NUMBER: 25002	
DRAWING NUMBER: C01	TOTAL SHEETS: 1
REVISION: A	

Xref ..\MODEL\24002 XR TB MS4 AREA MAP.dwg

Driven Engineering, Inc.
ADDING VALUE, BUILDING RELATIONSHIPS

8005 Morris Hill Road
Semmes, AL 36575
Phone (251) 649-4011
Fax (251) 645-0971

July 25, 2025

William Guess
University of South Alabama
Department of Safety & Environmental Compliance
600 Clinic Drive
Mobile, Alabama 36608

Subject: MS4 Phase IV IDDE Outfall Monitoring Report
Driven Engineering, Inc. Project no: 25002

Dear Mr. Guess:

This letter presents the results of the observation(s) of OF-13 and OF-15 conducted on July 23, 2025, as required by the Phase II MS4 Permit as shown on the Three Mile Creek & Twelve Mile Creek Outfall Map by Driven Engineering, Inc. dated 07/25/2025.

No sheen was observed at either of the locations inspected. At Outfall 13 we observed vegetative distress and sedimentary deposits with minimal erosion. At Outfall 15 we observed deterioration and undermining of the concreted slope with some erosion throughout the swale area.

Inspection photos of the above referenced outfalls are found within Appendix A. Inspection checklists for the outfalls are included within Appendix B. The updated MS4 Outfall Inspection map can be found in Appendix C.

Please contact our office if you have any questions.

Sincerely,
Driven Engineering, Inc.

Daniel Overstreet, P.S, E.I.

Avalisha Fisher, P.E.

Stormwater Outfall Inspection Checklist

Outfall ID# 13 **Location Aid** _____

Date: 7-23-2025 **Time:** 10:30

Surveyor/Observer: DANIEL O. / ANDY W.

Weather Today: PARTLY CLOUDY 90°F

Weather over past 72 hours: NO RAIN

Flow Observed (circle): YES **NO**

					Field Monitoring Data (note: fill in units for each parameter)				
1. Flow Observations (fill out this section only if flow is observed)	**Pipe Flow Depth (inches) Note: measure from pipe invert**	**Channel, Ditch or Swale Flow Depth (inches) Note: measure from center of conveyance**	**Flow Appearance / Color**	**Flow Odor**	**Turbidity**	**Temperature**	**pH**	**Conductivity**	**Comments and Notes**
	○ 0" Depth	⌣ 4" Depth	✓ Clear __ Cloudy/Milky __ Dark (Tea) __ Sheen __ Suspended sediment (opaque) __ Other *	✓ None __ Chemical __ Petroleum __ Sewage __ Other *	N/A	N/A	N/A	N/A	

	Pipe Material	**Pipe Condition**	**Channel, Ditch or Swale Condition**	**Diameter or Width (specify distance units)**	**Slope (degrees)**	**Outlet Structure**	**GPS Coordinates**	**Discharge directly to surface water?****	**Comments and Notes**
2. Structure Details (pipe or other conveyance info.)	__ Clay ✓ Concrete __ Corrugated Steel __ PVC __ Cast Iron __ HDPE __ Steel (DI)	✓ Good __ Cracked __ Exposed Steel __ Corroded __ Other*	__ Good __ Clogged __ Debris ✓ Scoured or Eroded __ Other*	30"	✓ Flat __ Moderate __ Steep	✓ Headwall __ Riprap __ Flared End __ No Outlet Protection __ Other*	30°42'20" Lat -98°15'47" Lon	✓ Yes __ No If Yes, Provide Receiving Water Name SALADO CREEK	

	Deposits	**Surrounding Vegetation**	**Erodibility**	**Land Use at Outfall**	**Land Use Upstream of Outfall**	**Appearance / Color**	**Odor**	**Sediment Depth (inches) (if present)**	**Comments and Notes**
3. Outfall Observations (general conditions at outfall)	__ None __ Grease/Oil __ Paper/Trash __ Foam ✓ Heavy sediment deposits __ Other *	✓ Little or No Distress __ Moderate Distress __ High Distress	__ Little or No Erosion ✓ Small Areas of Erosion __ Many Eroded Areas	__ Forest __ Agriculture __ Residential __ Commercial __ Industrial ✓ Waterbody __ Detention Pond/Basin	__ Forest __ Agriculture __ Residential ✓ Commercial __ Industrial	✓ Clear __ Cloudy/Milky __ Dark (Tea) __ Sheen __ Suspended sediment (opaque) __ Other *	✓ None __ Chemical __ Petroleum __ Sewage __ Other *	0	

	Surfactant	**Ammonia Concentration**	**E. coli**	**Oil & Grease (if oil or sheen is observed)**	**VOCs (if solvent odor is present)**	**Additional Field Comments and Notes**
4. Laboratory Analysis (check if submitted)						

Notes:

* Provide additional comments to describe the observations made for the category.

** Discharges directly to surface waters are defined as: any conveyance or discernable concentrated flow (i.e., pipe, swale, ditch) other than overland sheet flow that enters a body of water.

Stormwater Outfall Inspection Checklist

Outfall ID# 15 **Location Aid** _____

Date: 7-23-2024 **Time:** 10:33 **Weather Today:** PARTLY CLOUDY 90°F

Surveyor/Observer: DANIEL O. LAMB IV **Weather over past 72 hours:** NO RAIN

Flow Observed (circle): YES (NO)

					Field Monitoring Data (note: fill in units for each parameter)				
	Pipe Flow Depth (inches) Note: measure from pipe invert	Channel, Ditch or Swale Flow Depth (inches) Note: measure from center of conveyance	Flow Appearance / Color	Flow Odor	Turbidity	Temperature	pH	Conductivity	Comments and Notes
1. Flow Observations (fill out this section only if flow is observed)	◯ 0 Depth	⌒ 0 Depth	✓ Clear __ Cloudy/Milky __ Dark (Tea) __ Sheen __ Suspended sediment (opaque) __ Other *	✓ None __ Chemical __ Petroleum __ Sewage __ Other *	N/A	N/A	N/A	N/A	

	Pipe Material	Pipe Condition	Channel, Ditch or Swale Condition	Diameter or Width (specify distance units)	Slope (degrees)	Outlet Structure	GPS Coordinates	Discharge directly to surface water?**	Comments and Notes
2. Structure Details (pipe or other conveyance info.)	__ Clay ✓ Concrete __ Corrugated Steel __ PVC __ Cast Iron __ HDPE __ Steel (DI)	✓ Good __ Cracked __ Exposed Steel __ Corroded __ Other*	__ Good __ Clogged __ Debris ✓ Scoured or Eroded __ Other*	24"	__ Flat ✓ Moderate __ Steep	✓ Headwall ✓ Riprap __ Flared End __ No Outlet Protection __ Other*	30 42 15 Lat 89 10 44 Lon	✓ Yes __ No If Yes, Provide Receiving Water Name 3 MILE CREEK	

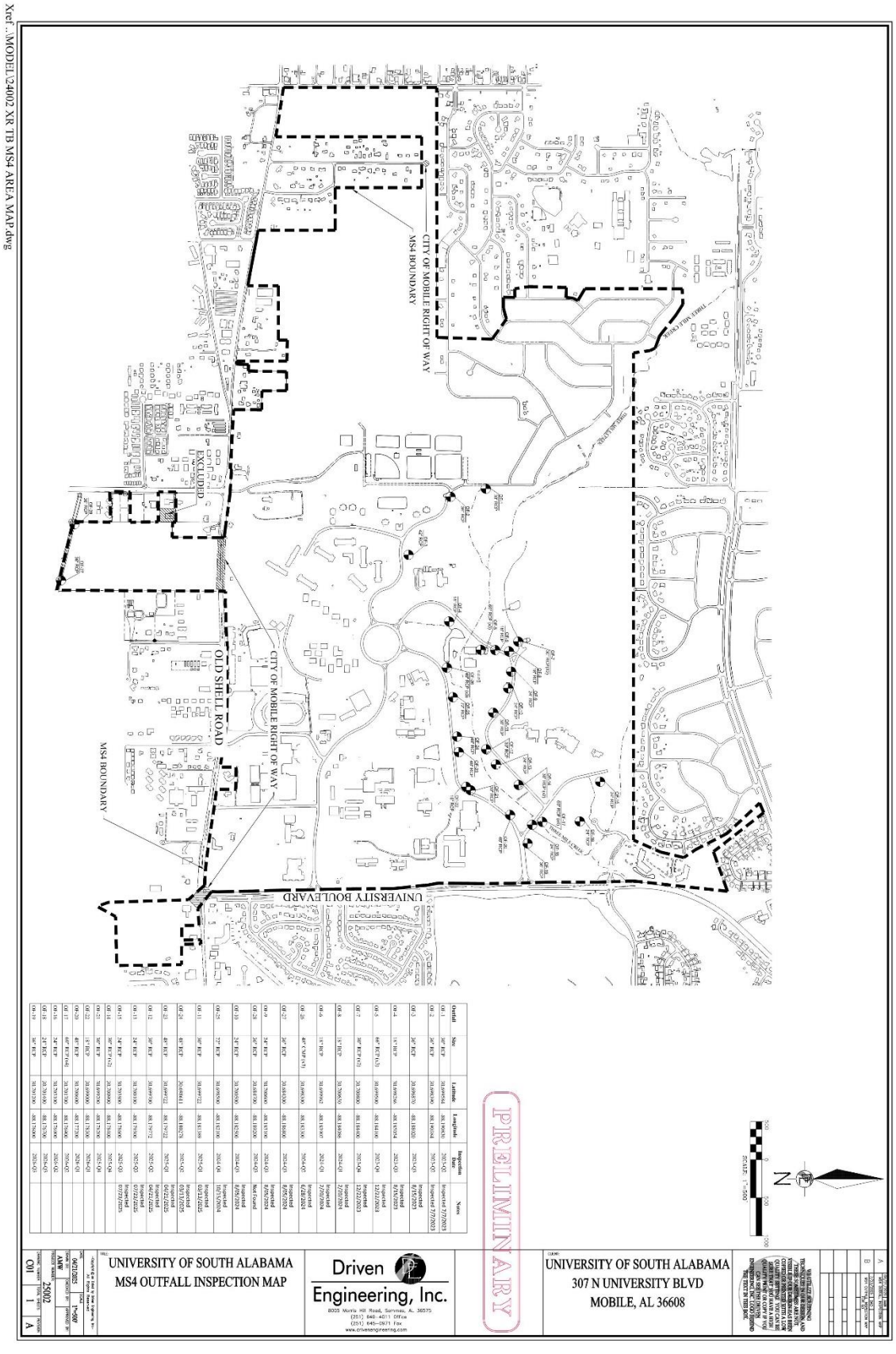
	Deposits	Surrounding Vegetation	Erodibility	Land Use at Outfall	Land Use Upstream of Outfall	Appearance / Color	Odor	Sediment Depth (inches) (if present)	Comments and Notes
3. Outfall Observations (general conditions at outfall)	✓ None __ Grease/Oil __ Paper/Trash __ Foam __ Heavy sediment deposits __ Other *	✓ Little or No Distress __ Moderate Distress __ High Distress	__ Little or No Erosion ✓ Small Areas of Erosion __ Many Eroded Areas	__ Forest __ Agriculture __ Residential __ Commercial __ Industrial ✓ Waterbody __ Detention Pond/Basin	__ Forest __ Agriculture __ Residential ✓ Commercial __ Industrial	✓ Clear __ Cloudy/Milky __ Dark (Tea) __ Sheen __ Suspended sediment (opaque) __ Other *	✓ None __ Chemical __ Petroleum __ Sewage __ Other *	0	

	Surfactant	Ammonia Concentration	E. coli	Oil & Grease (if oil or sheen is observed)	VOCs (if solvent odor is present)	Additional Field Comments and Notes
4. Laboratory Analysis (check if submitted)						

Notes:

* Provide additional comments to describe the observations made for the category.

** Discharges directly to surface waters are defined as: any conveyance or discernable concentrated flow (i.e., pipe, swale, ditch) other than overland sheet flow that enters a body of water.


Xref::MODEL\24002 XR TB MS4 AREA MAP.dwg
CITY OF MOBILE RIGHT OF WAY
MS4 BOUNDARY
OLD SHELL ROAD
UNIVERSITY BOULEVARD
PRELIMINARY
UNIVERSITY OF SOUTH ALABAMA
MS4 OUTFALL INSPECTION MAP
Driven Engineering, Inc.
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(251) 645-0971 Fax
www.drivenengineering.com
UNIVERSITY OF SOUTH ALABAMA
307 N UNIVERSITY BLVD
MOBILE, AL 36608

Driven Engineering, Inc.
ADDING VALUE, BUILDING RELATIONSHIPS

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Semmes, AL 36575
Phone (251) 649-4011
Fax (251) 645-0971

December 31, 2025

William Guess
University of South Alabama
Department of Safety & Environmental Compliance
600 Clinic Drive
Mobile, Alabama 36608

Subject: MS4 Phase IV IDDE Outfall Monitoring Report
Driven Engineering, Inc. Project no: 25002

Dear Mr. Guess:

This letter presents the results of the observation(s) of OF-14 and OF-21 conducted on December 30, 2025, as required by the Phase II MS4 Permit as shown on the Three Mile Creek & Twelve Mile Creek Outfall Map by Driven Engineering, Inc. dated 12/30/2025.

No sheen was observed at either of the locations inspected and both are operationally functioning well. At Outfall 14 we observed vegetative encroachment and minimal erosion at the toe. At Outfall 21 we observed deterioration and undermining of the concreted slope with some erosion around the structure headwall and toe.

Inspection photos of the above referenced outfalls are found within Appendix A. Inspection checklists for the outfalls are included within Appendix B. The updated MS4 Outfall Inspection map can be found in Appendix C.

Please contact our office if you have any questions.

Sincerely,
Driven Engineering, Inc.

ALABAMA LICENSED 22182 PROFESSIONAL ENGINEER AVALISHA L.S. FISHER

01/13/2026

Daniel Overstreet, P.S, E.I.

Avalisha Fisher, P.E.

Stormwater Outfall Inspection Checklist

Outfall ID# 4 **Location Aid** MS4 OUTFALL MAP

Date: 12/30/25 Time: 12:00 Weather Today: CLEAR / COOL

Surveyor/Observer: DANIEL OVERSTREET Weather over past 72 hours: WARM / CLEAR

Flow Observed (circle): YES (NO)

					Field Monitoring Data (note: fill in units for each parameter)				
1. Flow Observations (fill out this section only if flow is observed)	**Pipe Flow Depth (inches) Note: measure from pipe invert**	**Channel, Ditch or Swale Flow Depth (inches) Note: measure from center of conveyance**	**Flow Appearance / Color**	**Flow Odor**	**Turbidity**	**Temperature**	**pH**	**Conductivity**	**Comments and Notes**
	◯ – ____ Depth	⌣ ____ Depth	__ Clear __ Cloudy/Milky __ Dark (Tea) __ Sheen __ Suspended sediment (opaque) __ Other * N/A	__ None __ Chemical __ Petroleum __ Sewage __ Other * N/A	N/A	N/A	N/A	N/A	OBSERVED NO FLOW
2. Structure Details (pipe or other conveyance info.)	**Pipe Material**	**Pipe Condition**	**Channel, Ditch or Swale Condition**	**Diameter or Width (specify distance units)**	**Slope (degrees)**	**Outlet Structure**	**GPS Coordinates**	**Discharge directly to surface water?****	**Comments and Notes**
	__ Clay ✓ Concrete __ Corrugated Steel __ PVC __ Cast Iron __ HDPE __ Steel (DI)	✓ Good __ Cracked __ Exposed Steel __ Corroded __ Other*	✓ Good __ Clogged __ Debris __ Scoured or Eroded __ Other*	12"30" RCP	✓ Flat __ Moderate __ Steep	✓ Headwall __ Riprap ✓ Flared End __ No Outlet Protection ✓ Other* CONC. SWALE	30.70690 Lat. -89.17930 Lon.	✓ Yes __ No If Yes, Provide Receiving Water Name THREE MILE CREEK	
3. Outfall Observations (general conditions at outfall)	**Deposits**	**Surrounding Vegetation**	**Erodibility**	**Land Use at Outfall**	**Land Use Upstream of Outfall**	**Appearance / Color**	**Odor**	**Sediment Depth (inches) (if present)**	**Comments and Notes**
	✓ None __ Grease/Oil __ Paper/Trash __ Foam __ Heavy sediment deposits __ Other *	✓ Little or No Distress __ Moderate Distress __ High Distress	✓ Little or No Erosion __ Small Areas of Erosion __ Many Eroded Areas	__ Forest __ Agriculture __ Residential ✓ Commercial __ Industrial __ Waterbody __ Detention Pond/Basin	__ Forest __ Agriculture __ Residential ✓ Commercial __ Industrial	__ Clear __ Cloudy/Milky __ Dark (Tea) __ Sheen __ Suspended sediment (opaque) ✓ Other * N/A	__ None __ Chemical __ Petroleum __ Sewage ✓ Other * N/A	N/A	
4. Laboratory Analysis (check if submitted)	**Surfactant**	**Ammonia Concentration**	**E. coli**	**Oil & Grease (if oil or sheen is observed)**	**VOCs (if solvent odor is present)**	**Additional Field Comments and Notes**			
	N/A								

Notes:

* Provide additional comments to describe the observations made for the category.

** Discharges directly to surface waters are defined as: any conveyance or discernable concentrated flow (i.e., pipe, swale, ditch) other than overland sheet flow that enters a body of water.

Stormwater Outfall Inspection Checklist

Outfall ID# 21 **Location Aid** MS4 OUTFALL MAP

Date: 12/30/25 Time: 12:36 Weather Today: CLEAR/COOL

Surveyor/Observer: DANIEL OVERSTREET Weather over past 72 hours: CLEAR/CHARLY

Flow Observed (circle): YES NO

					Field Monitoring Data (note: fill in units for each parameter)				
1. Flow Observations (fill out this section only if flow is observed)	**Pipe Flow Depth (inches) Note: measure from pipe invert**	**Channel, Ditch or Swale Flow Depth (inches) Note: measure from center of conveyance**	**Flow Appearance / Color**	**Flow Odor**	**Turbidity**	**Temperature**	**pH**	**Conductivity**	**Comments and Notes**
	○ N/A Depth	⌣ ____ Depth	__ Clear __ Cloudy/Milky __ Dark (Tea) __ Sheen __ Suspended sediment (opaque) __ Other *	__ None __ Chemical __ Petroleum __ Sewage __ Other *	N/A →	→		→	

2. Structure Details (pipe or other conveyance info.)	**Pipe Material**	**Pipe Condition**	**Channel, Ditch or Swale Condition**	**Diameter or Width (specify distance units)**	**Slope (degrees)**	**Outlet Structure**	**GPS Coordinates**	**Discharge directly to surface water?****	**Comments and Notes**
	__ Clay ✓ Concrete __ Corrugated Steel __ PVC __ Cast Iron __ HDPE __ Steel (DI)	✓ Good __ Cracked __ Exposed Steel __ Corroded __ Other*	✓ Good __ Clogged __ Debris __ Scoured or Eroded __ Other*	30" RCP	✓ Flat __ Moderate __ Steep	✓ Headwall __ Riprap ✓ Flared End __ No Outlet Protection __ Other*	____ Lat. ____ Lon.	__ Yes __ No If Yes, Provide Receiving Water Name	

3. Outfall Observations (general conditions at outfall)	**Deposits**	**Surrounding Vegetation**	**Erodibility**	**Land Use at Outfall**	**Land Use Upstream of Outfall**	**Appearance / Color**	**Odor**	**Sediment Depth (inches) (if present)**	**Comments and Notes**
	✓ None __ Grease/Oil __ Paper/Trash __ Foam __ Heavy sediment deposits __ Other *	✓ Little or No Distress __ Moderate Distress __ High Distress	✓ Little or No Erosion __ Small Areas of Erosion __ Many Eroded Areas	__ Forest __ Agriculture __ Residential ✓ Commercial __ Industrial __ Waterbody __ Detention Pond/Basin	__ Forest __ Agriculture __ Residential ✓ Commercial __ Industrial	__ Clear __ Cloudy/Milky __ Dark (Tea) __ Sheen __ Suspended sediment (opaque) ✓ Other * N/A	__ None __ Chemical __ Petroleum __ Sewage ✓ Other * N/A	N/A	

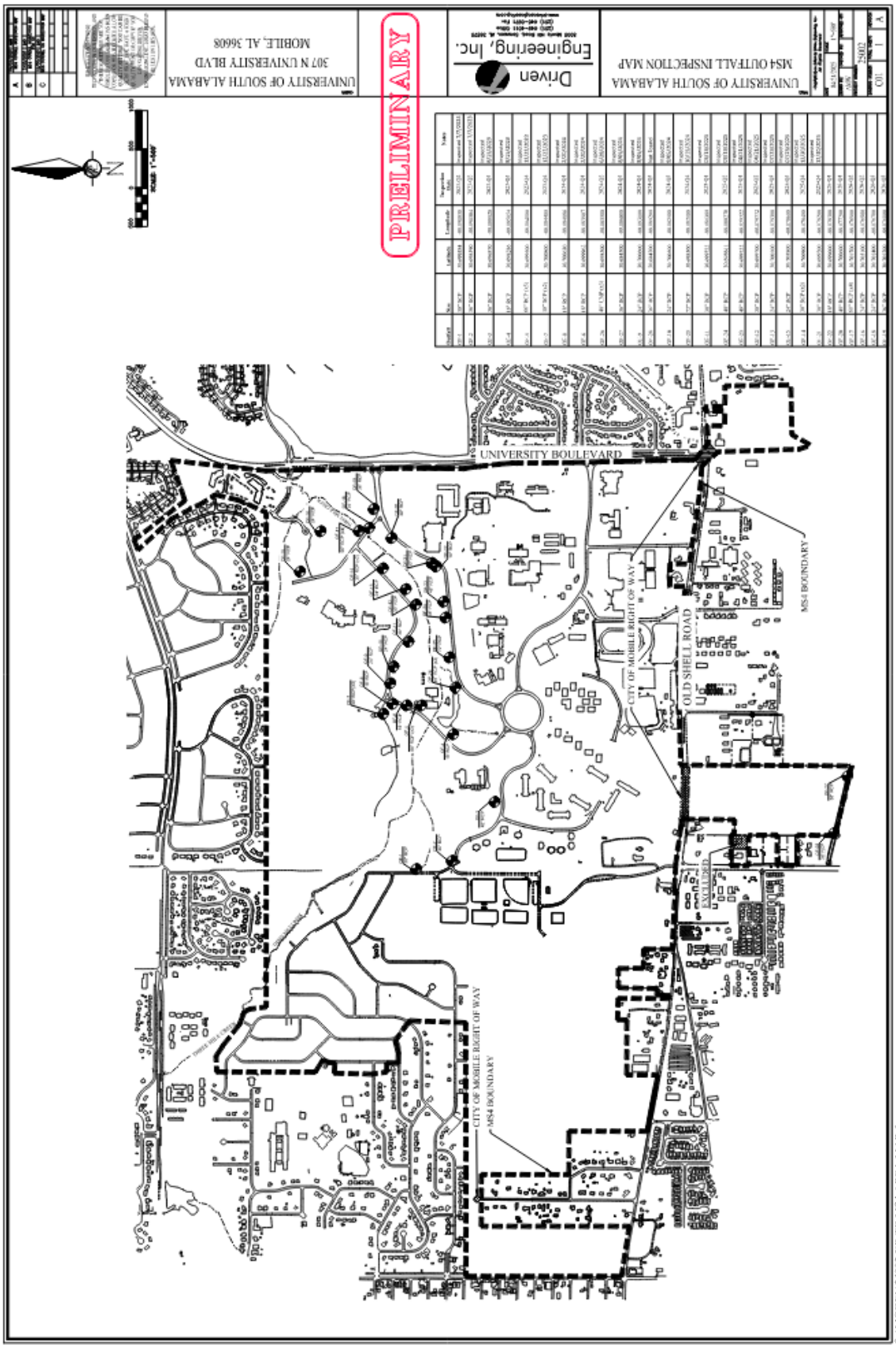
4. Laboratory Analysis (check if submitted)	**Surfactant**	**Ammonia Concentration**	**E. coli**	**Oil & Grease (if oil or sheen is observed)**	**VOCs (if solvent odor is present)**	**Additional Field Comments and Notes**
	N/A →	→	→	→	→	→

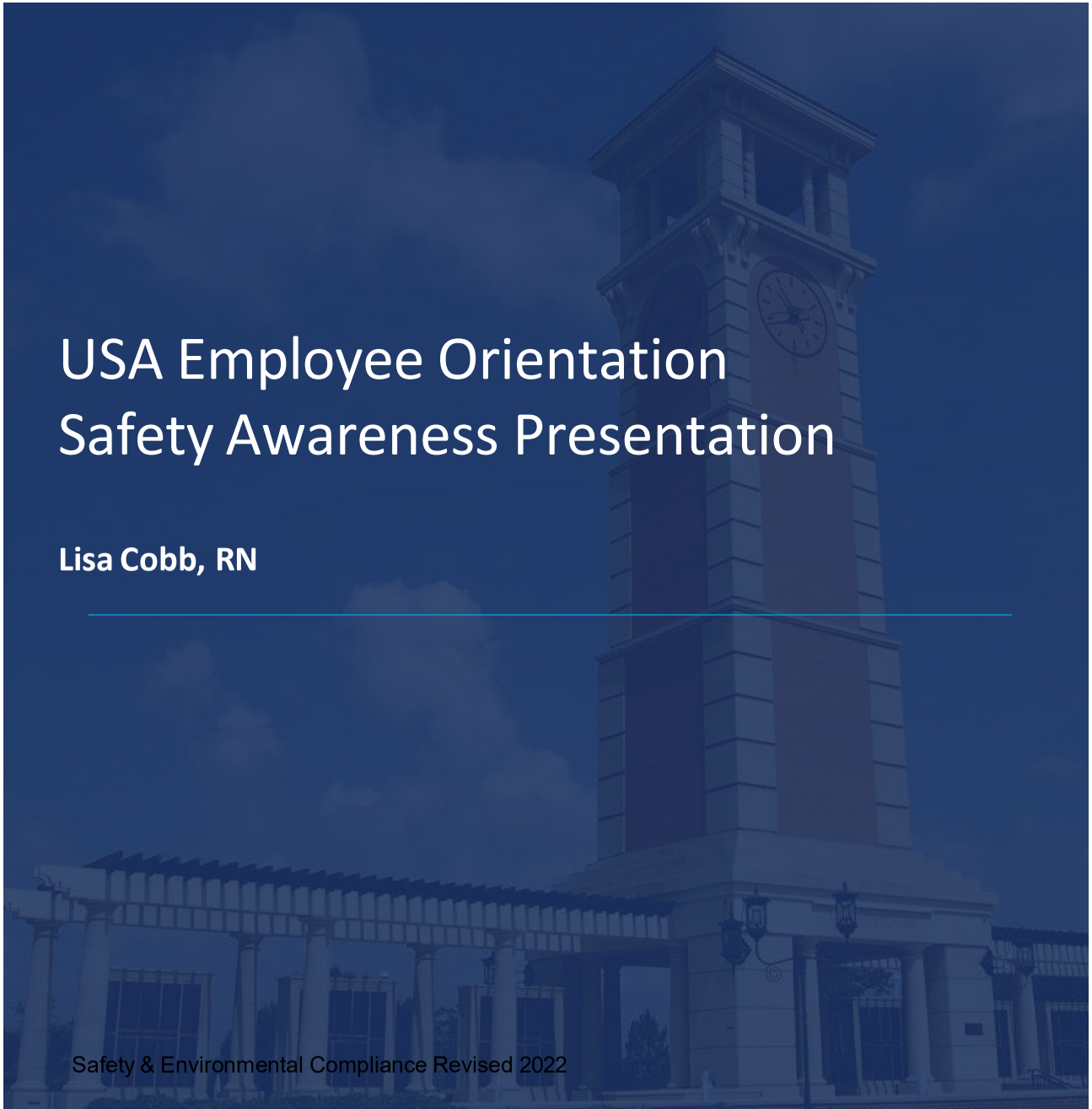
Notes:

* Provide additional comments to describe the observations made for the category.

** Discharges directly to surface waters are defined as: any conveyance or discernable concentrated flow (i.e., pipe, swale, ditch) other than overland sheet flow that enters a body of water.

Appendix C: MS4 Outfall Inspection Map





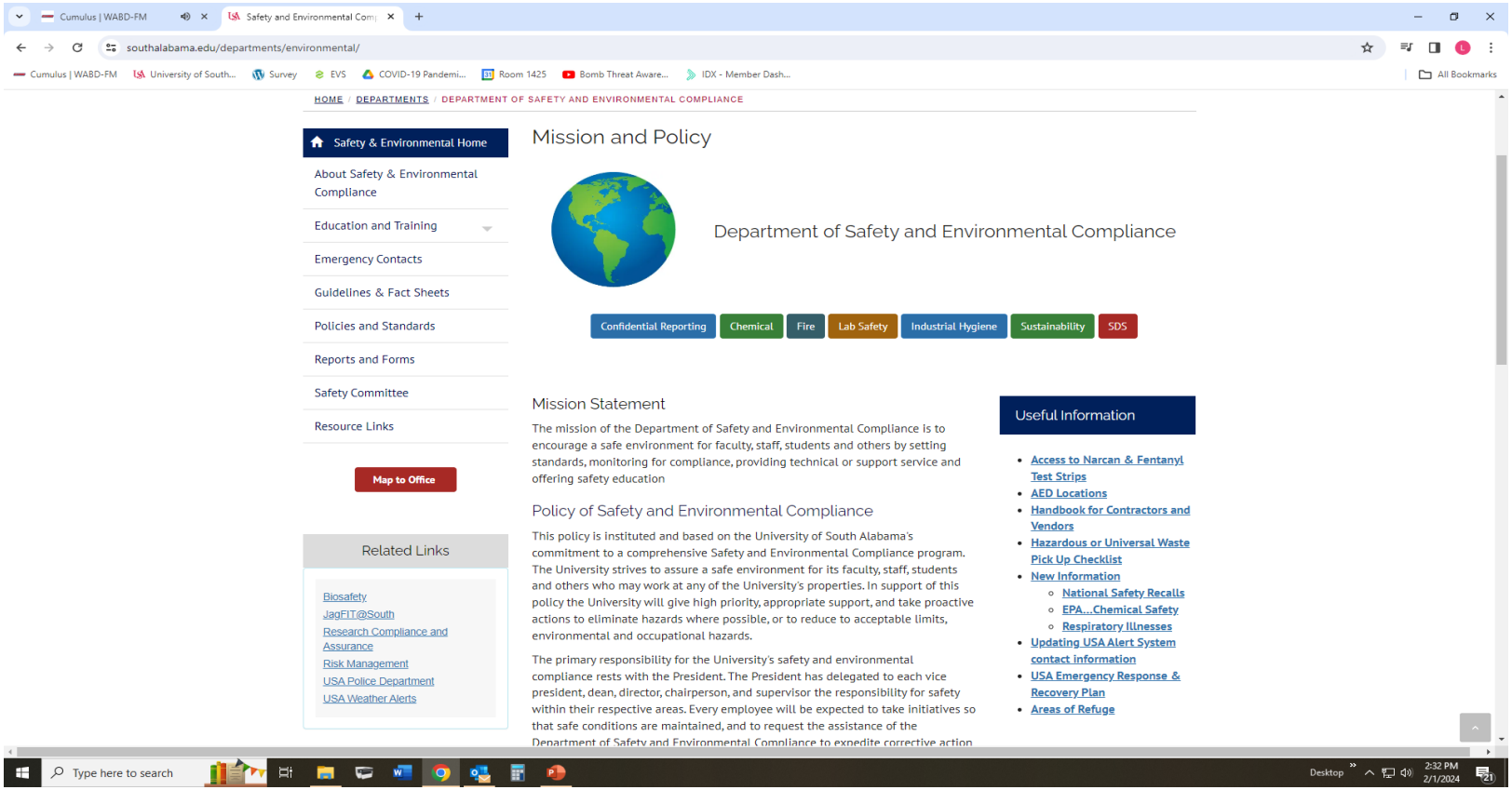
USA Employee Orientation
Safety Awareness Presentation

Lisa Cobb, RN

UNIVERSITY OF SOUTH ALABAMA

Safety & Environmental Compliance Revised 2022

Safety and Environmental Compliance



MS4 PROGRAM

THE WATER PLANET

Americans depend on clean water to drink, to irrigate crops, and to run industries. Water resources provide opportunities such a fishing and swimming, and wetlands provide protection from floods. Rivers, lakes, estuaries, and wetlands also provide critical habitat for wildlife.
Estuaries serve as birthplace and nursery for most saltwater fish and shellfish!

Whenever rain falls or snow melts, chemicals, fertilizers, sediment, and other pollutants from the land are washed into lakes, streams, wetlands, and rivers. To achieve healthy watersheds, the EPA needs the help of citizens like you! Because no matter where you live you live in a watershed.

USA has a growing but fully functional MS4 Program through water quality testing, 3 Mile Creek & 12 Mile Creek clean up projects around the water masses on campus, erosion and sediment control on construction sites, etc.

Illicit Discharges

"ILLICIT Discharge means any discharge to a municipal separate storm sewer that is not composed entirely of storm water except discharges pursuant to a NPDES permit (other than the NPDES permit for discharges from the municipal separate storm sewer) and discharges resulting from firefighting activities".

University staff and students will assist Safety & Environmental Compliance with preventing and reporting any of the following prohibited discharges:

- Discharges that are mixed with sources of non-storm water unless such non-storm water 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.
- Spills of oils or hazardous substances

Illicit Discharges

- Sanitary wastewater
- Chlorinated pool water
- Commercial vehicle wash water
- Contaminated water
- Storm water discharges associated with industrial industry
- Storm water discharges associated with construction activity. These require a separate permit.
- Discharges that would cause or contribute to instream exceedances of water quality standards
- Discharges of any pollutant into any water for which a Total Maximum Daily Load (TMDL) has been approved or developed by EPA unless the discharge is consistent with the TDML . (Three Mile Creek is subject to this and the majority of the campus drains to Three Mile Creek)
- Corrective actions for detecting non-allowable discharges include notifying the Safety & Environmental Compliance office at 251-460-7070.

https://www.southalabama.edu/departments/environmental/confidentialreport.html

IF CONTACTED RECiARDING A POTENTIAL ILLICIT DISCHARQE ON CAMPUS

Please get the rot/owing inrormation:

Specific location of the discharge (landmark or method to identify location}
Characteristics of the discharge (odor, color, etc.}
Date & time of the observation
General weather conditions at the time of observation

(this is *a* requirement *for* our MS-4 permit)

UNIVERSITY OF
SOUTH ALABAMA

ILLICIT DISCHARGE TOOLBOX TALK

What is an Illicit Discharge?

An Illicit Discharge (Improper Disposal) is any kind of emission to a Municipal Separate Storm Sewer Systems (MS4) that is not entirely composed of storm water. The MS4 consists of storm drains, ditches, man-made channels, and municipal streets. Eliminating illicit discharges into storm water can reduce pollution of our waterways.

Allowable Storm Water Discharges

- Water Line Flushing
- Landscape irrigation
- Diverted stream flows
- Rising ground water
- Uncontaminated ground water infiltration
- Uncontaminated pumped ground water
- Discharges from water sources
- Foundation and footing drains
- Air conditioning condensation
- Springs
- Water from crawl space pumps
- Lawn watering runoff
- Individual residential car washing and charitable car washes
- Flows from wetlands
- De-chlorinated swimming pool discharges
- Residual street wash water
- Discharges from firefighting activities
- Flows from riparian habitats and wetlands
- Non-storm water discharges which are in compliance with a separate National Pollutant Discharge Elimination System (NPDES) permit

E-MAILED FEB 14 2023
Andrew

Prohibited Storm Water Discharges

- Oil sheen in a body of water
- Leaves or grass clippings deposited in storm drains
- Spills or dumping of oil, paint, household cleaners, antifreeze, pesticides, or fertilizers
- Discharge of chlorinated swimming pool water to a storm drain
- Sediment tracking from construction sites into streets
- Illegal dumping (at sites where regular garbage and trash is not picked up)
- Someone dropping litter
- Anything being disposed of into a storm drain

Procedure for Reporting a Suspected Illicit Discharge

To report a suspected illicit discharge on campus you may either:

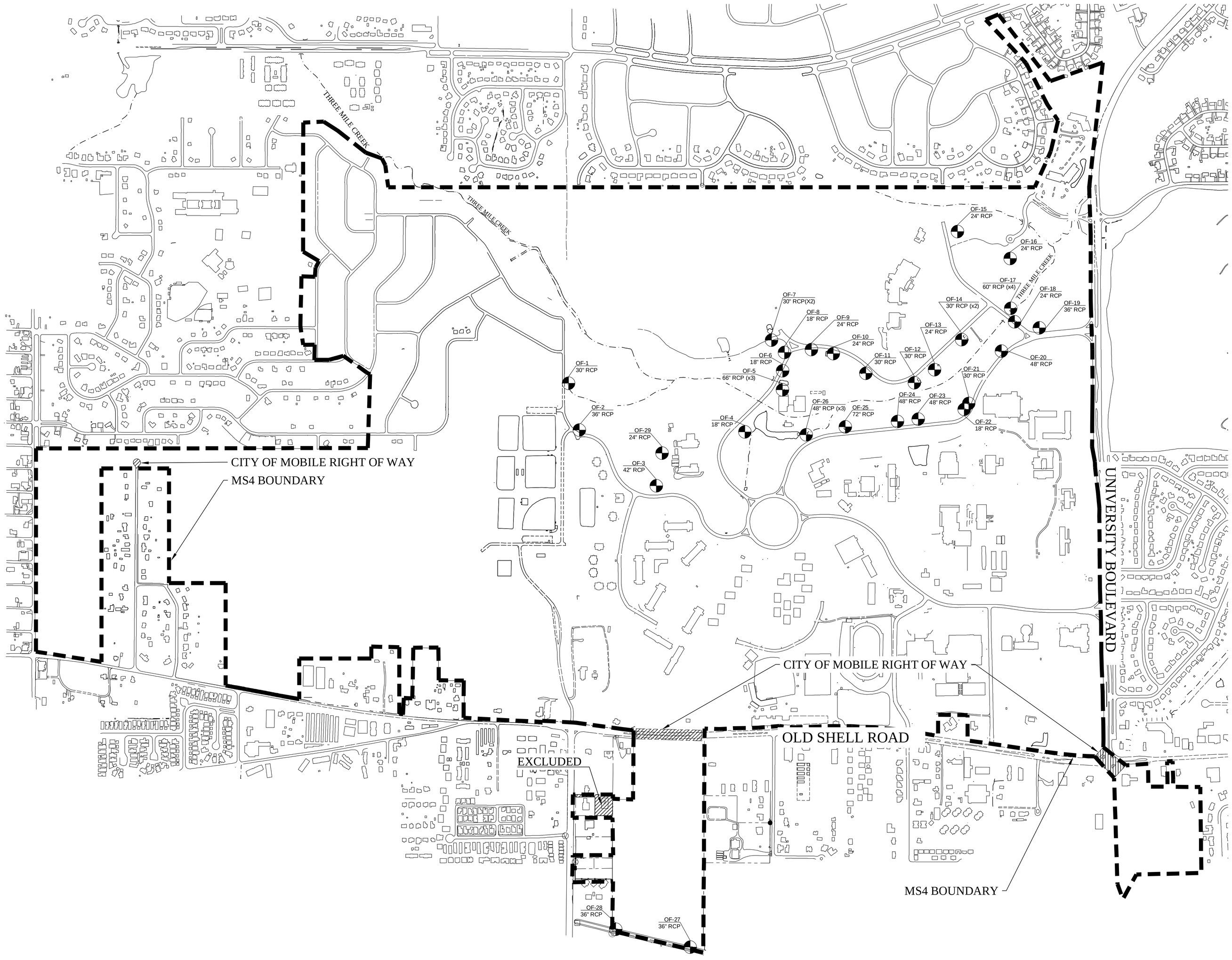
- Call the Safety & Environmental Compliance office at (251) 460-7070
- Go to the Safety & Environmental Compliance webpage and fill outthe"Confidential Environmental/Hazard Report" listed under the MS4 Information header. The link is as listed below...
  https://www.southalabama.edu/departments/environmental/confidentialreport.html .

  Reports can be made anonymously.

Procedure for the Corrective Action of Suspect Illicit Discharge

If a suspected illicit discharge is reported on campus, the following procedure for corrective action shall be as follows:

1. Give reference points/landmarks to the observed location of the discharge.
2. Document the characteristics of the discharge (odor, color, etc..).
3. Document the date and time of observation.
4. Document the general weather conditions.



N

500 0 500 1000

SCALE: 1"=500'

A	04/21/2025 AMW DAO	MS4 OUTFALL INSPECTION MAP
B	7/23/2025 DAO	MS4 OUTFALL INSPECTION MAP FOR Q3
C	2/13/2026 DAO	MS4 OUTFALL INSPECTION MAP FOR Q1

WE UTILIZE SCREENING TECHNIQUES IN OUR DESIGN AND THESE SOMETIMES ARE NOT VISIBLE IF OUR DESIGN HAS BEEN COPIED OR PRINTED WITH A LOW QUALITY SETTING. YOU CAN BE SURE THAT YOU HAVE A HIGH QUALITY PRINT OR COPY IF YOU CAN SEE THE DRIVEN ENGINEERING, INC. LOGO BEHIND THE TEXT IN THIS BOX.

OWNER:
UNIVERSITY OF SOUTH ALABAMA
307 N UNIVERSITY BLVD
MOBILE, AL 36608

PRELIMINARY

Outfall	Size	Latitude	Longitude	Inspection Date	Notes
OF-1	30" RCP	30.699584	-88.190830	2023-Q2	Inspected 7/7/2023
OF-2	36" RCP	30.698390	-88.190384	2023-Q2	Inspected 7/7/2023
OF-3	36" RCP	30.696870	-88.188020	2023-Q3	Inspected 8/15/2023
OF-4	18" RCP	30.698286	-88.185054	2023-Q3	Inspected 8/15/2023
OF-5	66" RCP (x3)	30.699500	-88.184100	2023-Q4	Inspected 12/22/2023
OF-7	30" RCP (x2)	30.700800	-88.184400	2023-Q4	Inspected 12/22/2023
OF-8	18" RCP	30.700630	-88.184086	2024-Q1	Inspected 2/20/2024
OF-6	18" RCP	30.699962	-88.183907	2024-Q1	Inspected 2/20/2024
OF-26	48" CMP (x3)	30.698300	-88.183300	2024-Q2	Inspected 6/28/2024
OF-27	36" RCP	30.684300	-88.186800	2024-Q3	Inspected 8/05/2024
OF-9	24" RCP	30.700600	-88.183100	2024-Q3	Inspected 8/05/2024
OF-28	36" RCP	30.684700	-88.189200	2024-Q3	Not Found
OF-10	24" RCP	30.700500	-88.182500	2024-Q3	Inspected 8/05/2024
OF-25	72" RCP	30.698500	-88.182100	2024-Q4	Inspected 10/15/2024
OF-11	30" RCP	30.699722	-88.181389	2025-Q1	Inspected 03/13/2025
OF-24	48" RCP	30.698611	-88.180278	2025-Q2	Inspected 03/13/2025
OF-23	48" RCP	30.699722	-88.179722	2025-Q1	Inspected 04/21/2025
OF-12	30" RCP	30.699700	-88.179772	2025-Q2	Inspected 04/21/2025
OF-13	24" RCP	30.700100	-88.179300	2025-Q3	Inspected 07/23/2025
OF-15	24" RCP	30.703800	-88.178600	2025-Q3	Inspected 07/23/2025
OF-14	30" RCP (x2)	30.700900	-88.178400	2025-Q4	Inspected 12/30/2025
OF-21	30" RCP	30.699200	-88.178200	2025-Q4	Inspected 12/30/2025
OF-22	18" RCP	30.699000	-88.178300	2026-Q1	
OF-20	48" RCP	30.700600	-88.177200	2026-Q1	
OF-17	60" RCP (x4)	30.701700	-88.176900	2026-Q2	
OF-16	24" RCP	30.703100	-88.176900	2026-Q2	
OF-18	24" RCP	30.701400	-88.176700	2026-Q3	
OF-19	36" RCP	30.701200	-88.176000	2026-Q3	
OF-29	24" RCP	30.697720	-88.187840	2026-Q4	

Driven Engineering, Inc.
8005 Morris Hill Road, Semmes, AL 36575
(251) 649-4011 Office
(251) 645-0971 Fax
www.drivenengineering.com

TITLE:
UNIVERSITY OF SOUTH ALABAMA
MS4 OUTFALL INSPECTION MAP

-Copyright © as Dated by Driven Engineering, Inc-
All Rights Reserved

DATE	SCALE
02/13/2026	1"=500'

DRAWN BY:	CHECKED BY:	APPROVED BY:
AMW	DAO	

PROJECT NUMBER: 26003

DRAWING NUMBER	TOTAL SHEETS	REVISION
C01	1	A

Xref ..\MODEL\24002 XR TB MS4 AREA MAP.dwg

UNIVERSITY OF SOUTH ALABAMA

March 16, 2021

Alabama Department of Environmental Management
1400 Coliseum Boulevard
Montgomery, AL 36110

To whom it may concern:

As the Executive Vice President at the University of South Alabama, I hereby grant to Mr. William Guess, Director of Safety and Environmental Compliance, the authority to act as a responsible official for permit application and reporting to the Alabama Department of Environmental Management.

Sincerely,

John W. Smith
Executive Vice President

JWS/sed

OFFICE OF EXECUTIVE VICE PRESIDENT
AD 130 | 307 University Boulevard, N. | Mobile, Alabama 36688-0002

Safety and Environmental Compliance

The office of Safety and Environmental Compliance strives to ensure all University campuses provide occupants a healthy and hazard free environment that complies with applicable federal, state, and local regulatory requirements. As part of their effort, Safety and Environmental Compliance provides technical consultations, training, building inspections and other specialized services in the following areas:

Fire Safety & Emergency Response

As a component of the University's Safety and Environmental Compliance program the Fire Safety program directly impacts every facility, department and individual. The National Fire Protection Association - NFPA primarily serves as the industry standard and source for relevant fire codes. The design and construction of buildings and structures, testing of building components and fire protection systems, and the enforcement of regulations pertaining to Life Safety from fire and other related hazards are addressed by specific Fire Code requirements.

A fire safety inspection program is a vital aspect of the overall Safety and Environmental Compliance program. Annually each building or structure is evaluated by the University's Fire Marshal and department representatives to identify unsafe conditions or deficiencies related to current codes and regulations.

Other key program components:

- Fire Drills and Fire Extinguisher Classes
- Fire investigations
- Code compliance reviews
- New construction & renovation project plan review and inspections

Hazardous Waste and Materials Management

The department of Safety and Environmental Compliance hazardous materials and waste program is managed by the University's Chemical Hygiene Officer and department representatives each as certified hazardous materials first responders. Other department functions are listed below:

- Coordination of hazardous material transportation, handling and disposal
- EPA and ADEM permit management
- Inspections to include associated enforcement duties
- Code Compliance monitoring
- Lab start up, relocation and closure oversight
- Central chemical inventory repository

Industrial Hygiene

The Industrial Hygiene program serves to identify, evaluate where potential health hazards may exist, and thereby develops and manages programs that promote a safe environment for all staff, faculty, students and visitors through engineering controls and or work practices. Several aspects of the program are listed on SEC website to include:

- Chemical fume hood and Biological Cabinet inspections & certifications
- Hearing conservation
- Water quality testing
- Indoor Air quality testing
- Health complaint investigations
- EPA and ADEM permit management
- ACM and LBP testing
- Code Compliance monitoring

Occupational Safety & Health Training

Education and associated training is an integral part of the Safety and Environmental Compliance program. The department's training specialist has created a series of training initiatives based on function specific job analysis and industry standards. Safety and Environmental Compliance participates in all campus new hire orientations, student orientations while offering the following to faculty and staff:

- Respiratory Fit testing & training
- BBP & Health training
- Hazardous waste and materials training
- Laboratory chemical hygiene training
- Quarterly occupational safety and health publications
- Web resource coordination to include lab related training matrix

Emergency Response and Recovery Plan

The University of South Alabama's Emergency Response and Recovery Plan has been developed by the Safety and Environmental Compliance Office and is managed to follow the National Incident Management System (NIMS). This includes NIMS concepts, principles, terminology and training programs. The plan serves as a guide for potential emergency responses, recovery actions and mitigation programs. The primary objective is to protect students, employees, visitors and the University properties from a wide spectrum of possible emergency events. The plans are categorized into thirteen event responses:

1. Events requiring building evacuations or occupant relocation
2. Campus evacuation
3. Civil disturbance

4. Violent or Criminal behavior
5. Psychological Crisis
6. Explosion or Hazardous Materials Incident
7. Large scale – community
8. Weather related
9. Utility
10 Gas leak
11 Power failures
12 Communications
13 Biological or Infectious Epidemics

- Two primary emergency notification systems: EverBridge mass notification system with faculty, staff and student emergency contact information uploaded daily.
  Siren/PA system which is an outdoor warning system with six units strategically located around campus.

The President has delegated to the Director of Safety and Environmental Compliance the responsibility and authority for assuring overall compliance with applicable safety and environmental standards university wide. In emergency situations and when required to do so by regulation, code, or agreement, the Director of Safety and Environmental Compliance or his/her representative may require the immediate halt or suspension of practices or conditions that have been determined to constitute a substantial risk of life or serious harm to others or the environment.

The University Safety and Environmental Compliance Committee serves as a referral group for all advisory and administrative committees related to the matter of Safety and Environmental Compliance and shall review recommended changes in University policies pertaining to Safety and Environmental issues. The Director serves as alternate Chair for the Committee while others from the department have reporting functions.

Safety Officer reviews and investigates incident reports from all campuses with exception each of the USA hospitals. Serves as a resource to USA hospitals; as an appointed member to each of their Environment of Care and Infection Control Committees.

Sustainability Committee Meeting

Jan. 2025

Presentation: Tour including MS-4 discussion by Mr. William Guess

Attendee List:

1. Steven Scyphers
2. Ashleigh Bowman
3. Abby Collins
4. Mary Everett Toombs
5. Anna Ley
6. Don Bates
7. Lance Slater
8. Henry Perkins
9. Erin Delaporte
10. Ben Macon
11. Abbey Hotard
12. Daniela Wolter Fierreia Touma
13. Helen Hendrix
14. Mary Evertt
15. Jason Kudulis
16. Kelsi Furman
17. Christina Wassenaar
18. Casi Callaway
19. Travis Langen
20. Rebecca Dunn Bryant
21. Sarah Bogdanovich
22. Justin Hammers
23. Scott Crow
24. Mike Jones
25. Anna Keene
26. Sarah Chandler
27. Kacie Hardman
28. Rhydonna Mosely
29. Joèl Billingsley
30. Rob Gasior (Remote)

UNIVERSITY OF
SOUTH ALABAMA

Land Disturbance Checklist

Project: _____ Date: _____

Location: _____

Printed Name of Engineer: _____

Signature of Engineer: _____

Professional License No.: _____

The following items must be submitted to the USA Safety and Environmental Compliance Office.

____ Vicinity Map

____ Plans drawn to scale, stamped and signed by an Alabama licensed P.E.

____ Topographical details for existing conditions and proposed development.

____ If an existing detention facility is utilized, documentation that the detention facility has been field- surveyed to verify the capacity and functionality of the existing detention facility. If is found to be deficient, the pond will be brought up to the required capacity and functionality.

____ Engineering calculations showing that the receiving storm drainage system can handle the additional flow due to the proposed development are provided.

Confirm the following:

____ Sedimentation and erosion control plan in accordance with the latest version of Alabama Handbook for Erosion Control, Sediment Control, and Storm Water Management on Construction Sites and Urban Areas, stamped by a professional engineer licensed in the state of Alabama.
https://alconservationdistricts.gov/wp-content/uploads/2019/03/2018-Field-Guide-combined- with-covers.pdf

____ That the grading and drainage plans comply with existing federal, state, University standards and guidelines.

____ That if wetlands exist on-site or shown on GIS system, they have been delineated by a certified professional, and the delineation is depicted on the plans and the following is confirmed.

- ____ wetlands are not disturbed.
- ____ wetlands are disturbed and a Corps of Engineers permit has been submitted with this application.
- ____ wetlands are disturbed and a Corps of Engineers permit will be submitted at a later submittal. I understand that the submission of the Corps of Engineers permit is required before a land disturbance permit will be issued.

____ That wetlands are show on GIS system, but are not present on-site, and the attached letter from a licensed environmental professional has disproved their existence.

____ That if the site is in an OWR Flood Plain, all requirements of ADECA Floodplain Management are in compliance.

1/2/20

Groundskeeper I - Essential Job Functions

1. Trims and fertilizes trees and shrubs.
2. Mows and edges lawns.
3. Polices grounds and picks up trash and debris.
4. Waters plants as needed or directed.
5. Hoes, weeds and otherwise tends flower beds, gardens and lawns.
6. Collects, loads and hauls off trash.
7. May operate a tractor or other groundskeeping equipment, implements and vehicles.
8. Digs and plants flowers, shrubs and trees.
9. May be responsible for performing groundskeeping and custodial duties in maintaining a small group of buildings and grounds.
10. Installs wee fabrics and mulches.
11. Stakes and guys trees.
12. Removes debris.
13. Cleans trash and debris from storm inlets.
14. May apply chemical to lawns, trees, shrubs, flowers and paved surfaces as required.
15. Solid waste collection campus-wide to include pick up of bagged, boxed and loose materials and transport by truck to dumpsters located throughout campus for unloading.
16. Assist in installation and repair of irrigation systems.
17. Operate power washer to clean sidewalks and other paved surfaces.

Groundskeeper II - Essential Job Functions

1. Mows and edges lawns.
2. Removes grass clippings, leaves, pine needles, trash and debris from lawns and landscape areas.
3. Prunes shrubbery and trees.
4. Plants and mulches shrubs, trees and flowers.
5. Installs stakes and guys on tress as required.
6. Applies irrigation water to trees, shrubs and flowers.
7. Applies chemical and fertilizers to lawns, trees, shrubs and flowers.
8. Operates tools and equipment such as pruner, line trimmer, blower, rake, shovel push mower, edger, sod cutter, riding mower, tractor mounted flail/bush hog, hydraulic tree spade, tractor mounted spreader/sprayer and high-speed chipper grinder.
9. Loads and unloads bags of fertilizer, peat moss and other materials up to 60 lbs. in weight.
10. Sweeps streets, driveways and parking lots.
11. Operates a variety of pickup trucks and other trucks, including water tanker.
12. Maintains and calibrates equipment as required.
13. Installs and repairs irrigation systems.


DRAINS TO
THREE MILE CREEK


DRAINS TO
12 MILE CREEK

Typical Housekeeping and Routine Maintenance Items for a Bioretention System

Routine Inspection

- Inspect bioretention area after major rainfall events for standing water, erosion, sediment buildup, and clogged inlets/outlets.
- Inspect any curb cuts, overflow structures, and underdrains for blockage or damage.
- Inspect for trash, debris, sediment accumulation, and unauthorized dumping.

Landscape Maintenance

- Regularly performed along with overall campus landscape maintenance plan.
    - Mow adjacent turf areas
    - Perform weed control on invasive vegetation and volunteer tree growth.
    - Prune shrubs and vegetation.
    - Remove litter, leaves, branches, sediment, from inflow points, curb inlets, overflow structures, and outlet structures.

Drainage System Maintenance

- Performed as needed following routine inspections.
    - Clean clogged curb cuts, inlet structures, underdrains, and outlet pipes.
    - Flush underdrain systems if drainage becomes restricted.
    - Repair erosion around inflow and outflow structures.
    - Repair damaged concrete structures, riprap, pipes, grates, and overflow structures.
    - Stabilize eroded side slopes or ponding areas.
    - Repair settlement areas impacting drainage performance.