MUNCIPAL SEPARATE STORM SEWER SYSTEM
ANNUAL REPORT

April 1, 2024 Through March 31, 2025

University of Alabama in Huntsville

301 Sparkman Drive

Huntsville, Alabama 35899

Project No: 1529A

May 29, 2025

4890 University Square, Ste. 2
Huntsville, Alabama 35816
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May 29, 2025

University of Alabama in Huntsville
301 Sparkman Drive
Huntsville, AL 35899

ATTN: Mr. Daniel Buchanan

SUBJECT: Municipal Separate Storm Sewer System
University of Alabama in Huntsville
Annual Report April 1, 2024 through March 31, 2025
301 Sparkman Drive
Huntsville, Alabama 35899
Project No: 1529A

Ladies & Gentlemen:

GTEC, LLC is pleased to submit this Annual Report as required by the University of Alabama in Huntsville's (UAH's) Municipal Separate Storm Sewer System (MS4) permit. The annual report was completed in general accordance with GTEC Proposal P-00567, dated February 28, 2025.

GTEC, LLC appreciates the opportunity to assist you with this project and looks forward to working with you in the future. Please contact the project personnel below with questions concerning this project or if you need further assistance.

Respectfully submitted,

GTEC,

Rachel H. Allen, E.I.T.
Environmental Engineer

Christopher S. Jones, P.E.
Senior Engineer

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1.0 INTRODUCTION

GTEC prepared this Annual Report in general accordance with guidelines provided in Title 40 Code of Federal Regulations (CFR), Part 122.26(d) and the requirements of the University of Alabama in Huntsville's (UAH's) Municipal Separate Storm Sewer System (MS4) permit, National Pollutant Discharge Elimination System (NPDES) Phase II General Permit (ALR040059). The permit became effective on October 1, 2021 and expires September 30, 2026.

This annual report covers the reporting period from April 1, 2024, through March 31, 2025 and was prepared to describe compliance with the UAH's Stormwater Management Program Plan (SWMPP). The purpose of the UAH's SWMPP is to provide control measures and efforts used to reduce the discharge of pollutants from its MS4 to protect water quality. A copy of the SWMPP may be obtained from the UAH website (https://www.uah.edu/oehs/programs/environmental-management).

2.0 UAH MS4

2.1 MS4 Description

The UAH is a public, national university with an approximate 500-acre campus located within the City of Huntsville. The campus includes seventeen (17) high-tech research centers and labs in addition to various offices, classrooms, support buildings, and residence halls. The UAH offers ninety-four (94) degree programs of study at the undergraduate and graduate level with colleges in Engineering, Education, Honors, Nursing, Science, Business, Arts, Humanities, and Social Sciences.

2.2 Contacts

This annual report is the result of a collaborative approach of the following contacts and/or individuals:

Ms. Hannah Webb, CHMM-Responsible Party
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Chief Facilities Officer, Campus Architect (UAH)
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Ms. Darby Parrish, CPESC
Senior Environmental Project Manager (OMI, Inc.)
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256-837-7664

Mr. Chris Jones, P.E.
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Cjones@gteccorp.com

3.0 OVERALL EVALUATION OF SWMPP

3.1 Major Accomplishments

The UAH continued to implement and maintain the Best Management Practices (BMPs) and meet the measurable goals of the SWMPP during this reporting year. Repair and maintenance of the series retention ponds during the previous year appear to have improved the function of the BMPs and increased the ability of staff to remove litter/floatable materials from the ponds. During this reporting year, the UAH was selected as an honor roll winner of the Huntsville Beautification Award, which is judged by criteria including maintenance, hard scape design and litter control. For the first time, the UAH won the Award of Excellence as the Most Outstanding Property in District 4. The UAH continues to educate the public regarding stormwater pollution prevention and implement the Illicit Discharge, Detection, and Elimination (IDDE) program. Due to the ongoing efforts, no illicit discharges have been identified or reported since at least the 2021 through 2022 reporting year.

The UAH continues to rely upon the Alabama Department of Environmental Management's (ADEM's) State-wide National Pollutant Discharge Elimination System (NPDES) construction stormwater regulatory program and maintains a NPDES general permit (Number ALR109729) providing campus wide coverage. There were three (3) active construction sites within the MS4 during this reporting year. No runoff complaints, violations, or enforcement actions were reported this year. ADEM staff performed site inspections in August 2024 at each of the three projects, and no deficiencies or violations were identified.

3.2 Program Strengths and Weaknesses

The UAH Office of Environmental Health and Safety (OEHS) is a professional advisory and service-oriented division that promotes occupational and facilities safety and environmental stewardship in support of the University mission. OEHS develops and implements programs that ensure the UAH complies with state, federal, and county environmental requirements. OEHS strives to maintain the university's commitment to good environmental stewardship and education of the public. The OEHS team maintains the UAH's stormwater webpage, the primary resource for public education and information, which remains a strength of the SWMPP.

The UAH received its Sustainability, Tracking, Assessment, and Ranking System (STARS) Bronze rating from the Association for the Advancement of Sustainability in Higher Education (AASHE) based on a 2022 submission. The UAH received the total points possible for rainwater management and 3.20 out of 4.00 possible points for water use on campus. The UAH's Grounds Management team continues to be a strength of the program in reducing litter from entering the MS4 and maintaining stabilized vegetation onsite. The Grounds Management team won multiple awards for their efforts on campus in 2024.

3.3 Future Direction of the Program

The UAH will continue to implement the control programs developed in the SWMPP and look for ways to improve stormwater pollution prevention. During the next reporting year, a site reconnaissance of the campus will be performed and the SWMPP will be reviewed and revised to further protect water quality.

3.4 Water Quality

The UAH does not discharge directly to nor within any impaired waterbody identified in the Alabama Department of Environmental Management's (ADEM's) 2024 303(d) list and/or waterbodies with established Total Maximum Daily Loads (TMDLs). Therefore, monitoring is not required. The UAH's MS4 is surrounded by and discharges to the City of Huntsville's MS4. The SWMPP was revised in 2022, and the City of Huntsville's Interactive Geographic Information System (GIS) stormwater layer was added to the site maps, which may be used in future stormwater evaluations and/or corrective action measures in the event an illicit discharge is identified. No new improvements to the post-construction BMPs were performed during this reporting year; however, previous repairs to the series of retention ponds appear to have maintained and/or improved water quality within the UAH's MS4. The SWMPP appears to be effective in protecting water quality.

4.0 MINIMUM STORMWATER CONTROL MEASURES

4.1 Public Education and Outreach

The UAH's OEHS has implemented a public education and outreach program in accordance with their SWMPP to inform the public about the impacts of stormwater discharges to waterbodies and steps the public can take to reduce pollutants in stormwater runoff to the maximum extent possible.

The UAH continues to utilize their website (link at the end of the paragraph) to provide educational resources to the public with a focus on a targeted audience including students, faculty, staff, and visitors to the campus. The website informs the public of the ways in which the State's water bodies can be impacted by pollutants resulting from stormwater discharges and provides steps the public can take to help prevent pollution. The website provides links to stormwater resources including ADEM's guidance, The UAH's MS4 SWMPP, and the most recent annual report. Stormwater Safety Training slides and quiz can also be accessed via a link within the webpage. Targeted pollutant sources including litter, sediment, organic/green waste, fuels, oils, pesticides, herbicides, solvents, heavy metals, and sewage are discussed on the website and in the linked training resources. (https://www.uah.edu/oehs/programs/environmental-management)

The UAH also utilizes UAlert Emergency Notification System (UAlert). UAlert is a comprehensive communications solution that allows the UAH to quickly disseminate an urgent message through multiple communication methods, including:

- Voice messages to cell, home, and office phones
- Text messages to cell phones
- Email messages
- The UAH Facebook page and the UAH Police Facebook page
- The UAH Twitter Feed
- Rave Guardian App (Android and iOS)

To educate the public and facilitate litter reduction, the UAH's OEHS staff have used storm drain medallions which adhere to stormwater inlets and drains. The medallions inform the public that no waste should be dumped into storm drains. Additional litter reduction education methods utilized include posters and signs stating storm drains are for stormwater only are placed in strategic locations including Charger Union and around recreation facilities such as the popular disc golf course which extends along the Campus's retention ponds and the unnamed tributary to McDonald Creek. The posters/signs are moved by OEHS staff to varying locations to provide increased visibility.

4.1.1 Public Events and Activities

Earth Day Celebration

The UAH Sustainability Program hosted an Earth Day Celebration on April 18, 2024. The event was open to the general public. The event focused on educating the public about the continuing sustainability efforts on campus and included giveaway items for students who dropped by. The discussions included sustainability efforts related to the protection of stormwater quality and a survey was provided to students/visitors to gauge the participants' knowledge of stormwater effects and best management practices. A total of ninety-one (91) participants completed the survey.

Madison County Water Festival

The UAH hosted the 25th Madison County Water Festival on May 7, 2024, where approximately 1,500 4th grade students visited the campus to learn the importance of water resources. The festival included hands-on activities, entertaining/educational activities, and discussions led by close to fifty volunteers including local professionals in water quality fields.

4.1.2 Sustainability

The UAH is a member and collaborator in the Cooperative Institute for Research to Operations in Hydrology (CIROH). CIROH is composed of 28 academic institutions, non-profit organizations and government and industry partners across the United States and Canada. It is funded for five years by the National Oceanic and Atmospheric Administration (NOAA) and will be administered by the Alabama Water Institute.

Two research centers at the UAH provide expertise to a newly formed, $360 million university alliance led by the University of Alabama (UA) to better predict water-related hazards and manage the nation's water resources. The UAH's Information Technology and Systems Center (ITSC) will provide advanced data services and analytics, hydrologic modeling and forecasting, and the Rotorcraft Systems Engineering and Simulation Center (RSESC) will provide unmanned aircraft systems and technical capabilities to the CIROH effort.

4.1.3 BMPs Evaluation

The UAH continues to be successful in educating and involving the public in stormwater impacts and meeting measurable goals. The UAH's online resources and communication mechanisms appear to be the most suitable outreach mechanism due to the public's preferred use of online resources for dissemination of information. Strategic placement of posters and fliers by the UAH provides daily reminders of the importance of water quality, and the UAH's use of the informative materials during orientations provides yearly reminders to students and faculty/staff. The UAH

will continue the above programs and activities and look for new opportunities to further educate the public.

4.2 Illicit Discharge Detection and Elimination Program

The UAH has continued to implement the Illicit Discharge Detection and Elimination (IDDE) program in accordance with the SWMPP to address sources of pollutants and prevent them from being introduced into the MS4. An Outfall Reconnaissance Inventory (ORI) was performed by OMI, Inc. on behalf of the UAH in 2022. During the ORI, the seven (7) outfalls within the UAH's MS4 were observed and evaluated in conjunction with Part III.B.2.a.iii of the Permit. During this reporting year, Ms. Darby Parrish of OMI performed a dry weather screening of Outfall OF001 on February 3, 2025. The inspection record documenting the findings is provided in Appendix B.

The SWMPP and site maps were last revised in 2022 and incorporated into the previous annual report. No revisions to IDDE program detailed in the SWMPP or the site maps were made during this reporting year. The permit requires IDDE training for appropriate personnel every five (5) years. IDDE training was last performed on March 23 and 24, 2023 and is documented in the Annual Report for the reporting year April 1, 2022 to March 31, 2023. General stormwater pollution prevention training is performed yearly, and a copy of the training record for this reporting year is provided in Appendix B.

4.2.1 BMPs Evaluation

No illicit discharges were identified during this reporting year or since at least the 2021 through 2022 reporting year. Measurable goals including site mapping, training, dry weather screening, and illicit discharge detection and reporting procedures appear to meet the goals of the program/SWMPP. The UAH will continue to look for opportunities to improve IDDE program through revisions to the plan and training of appropriate personnel.

4.3 Construction Site Stormwater Runoff

The UAH relies on the ADEM's state-wide NPDES construction stormwater regulatory program. ADEM NPDES Permit Number ALR109729 provides the UAH coverage and became effective on April 1, 2021. The permit was modified in 2023 to cover the entire campus. The permit expires March 31, 2026. No changes to the construction site stormwater runoff control program in the SWMPP were implemented during this reporting year.

During this reporting year, there were three active construction projects within the UAH MS4. Specific project details are provided in the following table:

Project	Permit Number Applicant	Inspections	Complaints	Enforcement Actions
Nexus on Holmes	ALR10C3GT-Active Fite Construction	1-Building and Earth 1-ADEM (8-6-24)	0	0
AFS Building	ALR109729-Active UAH	14-OMI, Inc. 1-ADEM (8-20-24)	0	0
Jones Engineering	ALR109729-Active UAH	1-Building and Earth 1-ADEM (8-20-24)	0	0

OMI technicians performed precipitation event/monthly inspections for the UAH during the reporting year. Each OMI technician is a Qualified Credentialed Inspector (QCI) and has completed the annual refresher training required to maintain QCI status.

4.3.1 BMPs Evaluation

The UAH continues the implementation of the active construction site stormwater program as outlined in the SWMPP. No non-compliance notifications, run-off complaints, or enforcement actions were received during the reporting year. The program's compliance with NPDES Construction Stormwater Permit requirements appears to meet the program's goals. The UAH will review the program in the following year to identify opportunities for improvement.

4.4 Post Construction Stormwater Runoff Control

The UAH continues to implement the post-construction stormwater management activities in accordance with the SWMPP. No new post-construction BMPs were installed in this reporting year. Post-construction, structural BMPs within the MS4 include a retention pond located in Area 1 at the northwest corner of the campus. An overflow outlet structure is located at the southeast end of the pond. The overflow structure directs flow beneath an access road via a pipe that discharges to an unnamed tributary of McDonald Creek. The tributary directs flow south/southeast toward and beneath Sparkman Drive. The tributary then directs flow south toward and beneath Holmes Avenue and discharges to two connected retention ponds forming the remaining two structural post-construction BMPs onsite. The pond series discharges to the same tributary south of John Wright Drive. Improvements and repairs were made to the pond series beginning on 2023 and were discussed in the Annual Report for the reporting year April 1, 2023 to March 31, 2024.

A post-construction inspection was performed by Ms. Darby Parrish of OMI on February 3, 2025. A copy of the inspection record is provided in Appendix B.

4.4.1 BMPs Evaluation

No post-construction BMP deficiencies were identified during this reporting year. Improvements to the series of the retention ponds were implemented in 2023. No complaints or enforcement actions associated with the post-construction BMPs were identified/received. The post-construction BMPs appeared to function as designed and appear to meet the control measure objectives. The UAH will continue to implement the post-construction BMP program per the SWMPP.

4.5 Pollution Prevention/Good Housekeeping for Municipal Operations

The UAH continues pollution prevention and good housekeeping Standard Operating Procedures outlined in the SWMPP. The UAH OEHS maintains an inventory of all facilities within the MS4, performs annual inspections of the onsite buildings and laboratories, and oversees the collection and handling of hazardous waste, biological waste, and universal waste. The UAH uses Chematix to allow laboratory personnel to create waste labels and submit those for pickup to OEHS. Chematix allows for tracking of hazardous waste and recording corrective actions, if required. The UAH provides information on their waste management programs on their website (https://www.uah.edu/oehs/services/disposal-of-waste) and provides email links to the Environmental Compliance Program Manager and the Biosafety Officer should additional information be needed. The UAH staff are trained in stormwater pollution prevention annually. A copy of the training record is provided in Appendix B.

The UAH Grounds Management provides routine grounds maintenance and landscaping services at the campus. Services include:

- Mowing, edging, pruning, weeding, & leaf removal
- Sod replacement, shrub bed renewal/installation/repair, mulching, & seeding
- Color bed installation/repair, exterior plant care
- Tree planting, removal, trimming, pruning
- General street & parking lot sweeper care
- General campus grounds clean-up and debris removal
- Maintenance of campus lakes and athletic fields
- Ice & snow removal
- Maintenance of University-owned vehicles and equipment

The UAH campus is a proud honor roll winner of the Huntsville Beautification Awards, most recently for 2024 and for the first time the UAH won the Award of Excellence as the Most Outstanding Property in District 4 in 2024. Most recently, the Facilities & Operations Grounds & Landscaping unit applied for and won the 2024 Professional Grounds Management Society (PGMS) Honor Award for the University and College Grounds—Mid-Size category.

The UAH estimates approximately thirty (30) gallons of trash are collected per day during the normal school year and fifteen (15) gallons of trash are collected per day during the summer semester. Litter/trash observed within the retention ponds are removed daily. The eastern ponds are each equipped with a canoe launch to facilitate recovery of floatable material.

The UAH maintains compliance with their Spill Prevention Control and Countermeasures (SPCC) program. Aboveground Storage Tanks (ASTs) are routinely observed for evidence of deficiencies and releases. Inspections are performed by the OEHS staff.

4.5.1 BMPs Evaluation

The UAHs Standard Operating Procedures within the SWMPP appear to be effective in preventing pollutants from managed areas from being discharged into the UAH's MS4. Training records and litter/trash removal procedures support the program's/SWMPP goals. The UAH will continue to perform MS4 training, update the facility inventory, and provide training to personnel as necessary.

5.0 CERTIFICATION

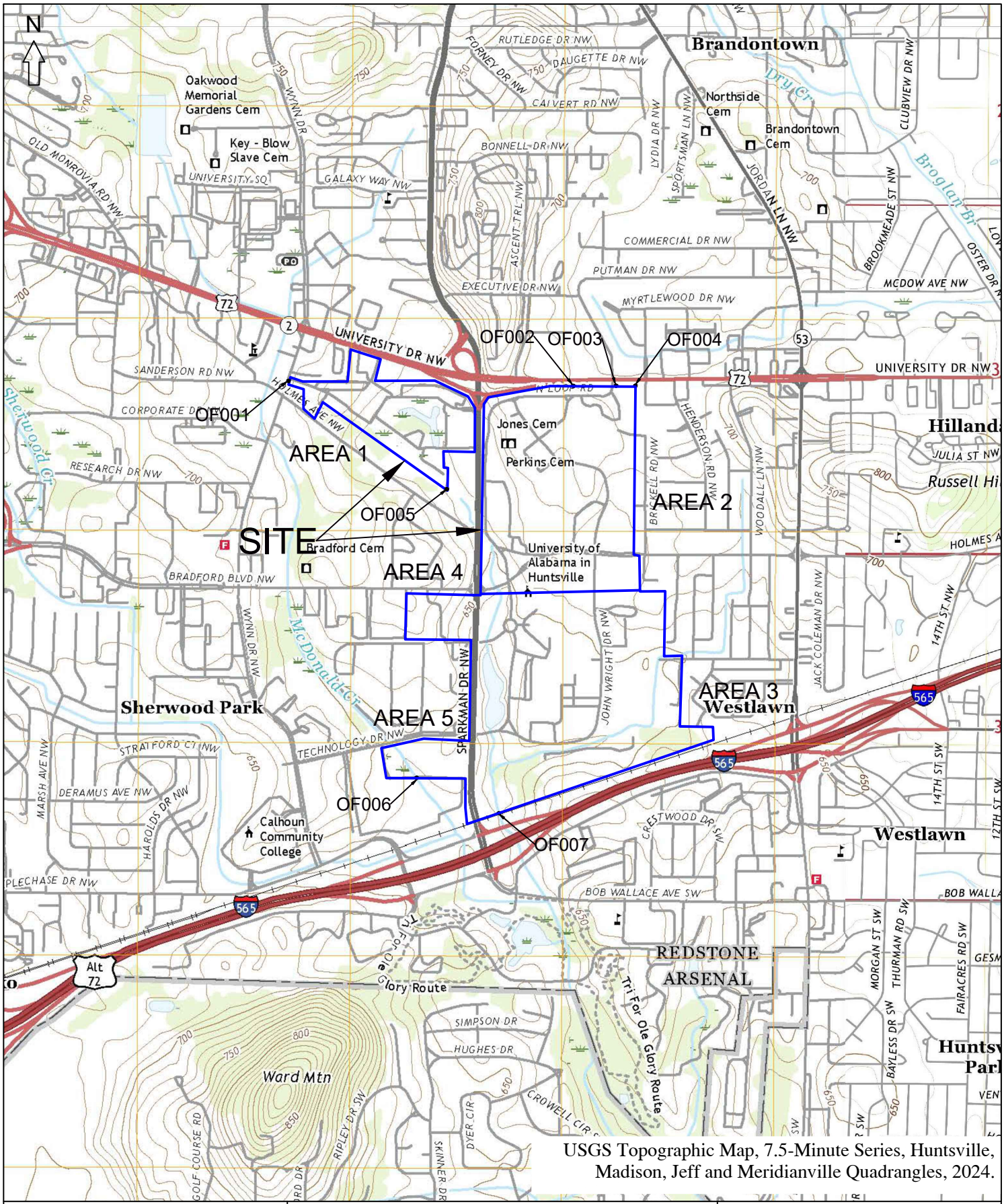
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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

Gloria W. Greene

Digitally signed by Gloria W. Greene, MA, CRA
DN: cn=Gloria W. Greene, MA, CRA, o=The University of Alabama in Huntsville, ou=OVPRED, email=greeneg@uah.edu, c=US
Date: 2025.06.02 14:29:53 -05'00'
Adobe Acrobat version: 2020.005.30763

Gloria Greene
Assistant Vice President, Contracts & Grants, Research, & Compliance
UAH Annual Report 2024-2025

APPENDIX A

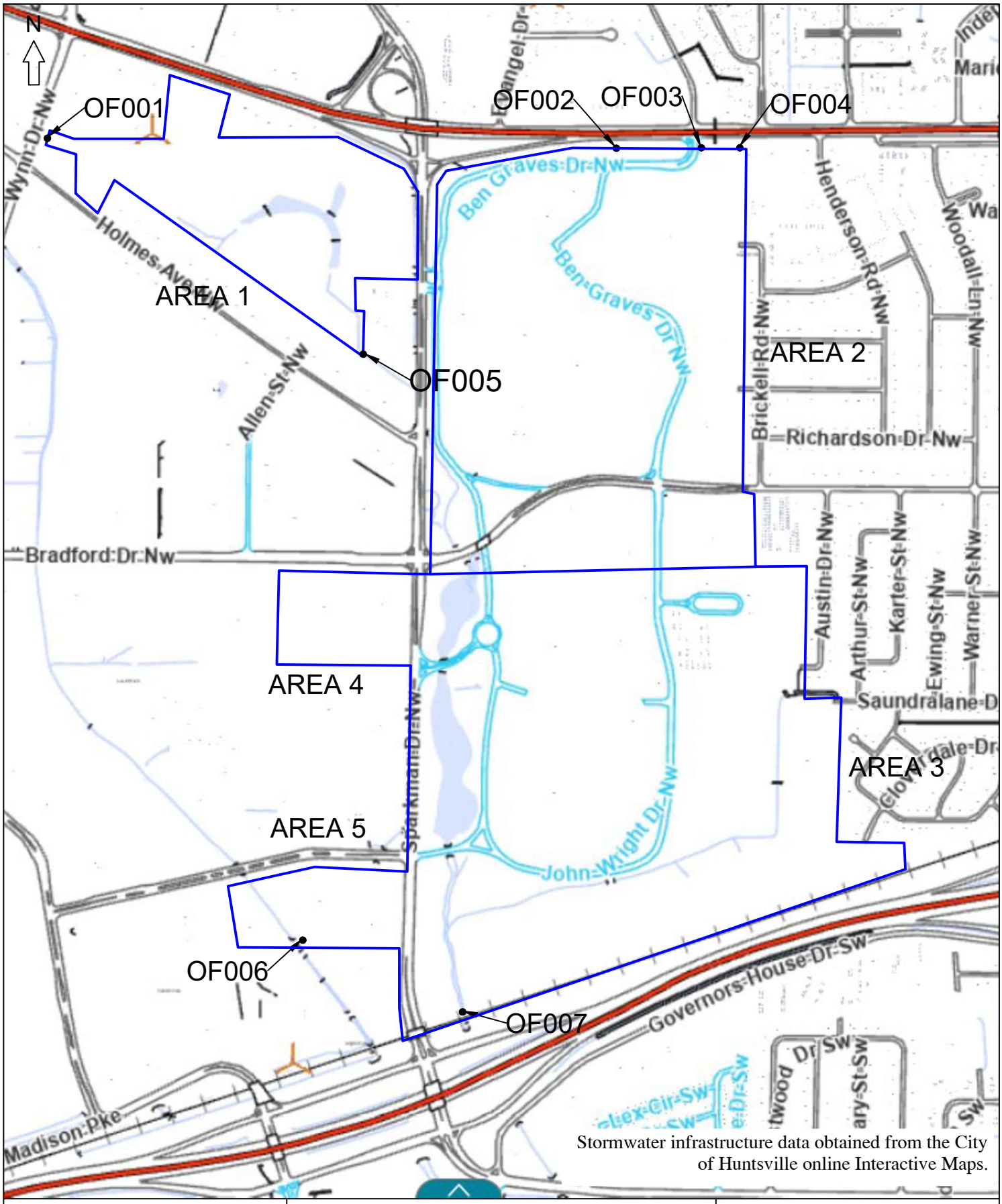


USGS Topographic Map, 7.5-Minute Series, Huntsville, Madison, Jeff and Meridianville Quadrangles, 2024.

Project Number:	1529
Project Name:	UAH MS4
Project Location:	Sparkman Drive Huntsville, Alabama
Date:	5/31/2025
Scale:	1" = 2,000'
Figure No. 1	

GTEC
Geotechnical Testing & Environmental Consultants

Site Location Map



Stormwater infrastructure data obtained from the City of Huntsville online Interactive Maps.

Project Number:	1529
Project Name:	UAH MS4
Project Location:	Sparkman Drive Huntsville, Alabama
Date:	5/31/2025
Scale:	1" = 1,000'
Figure No. 2	

GTEC
Geotechnical Testing & Environmental Consultants

Outfall Location Map

APPENDIX B

Group Report, Training Status

To print this report, click "HERE". Print All Certificates: Web

back to reports

Query Criteria:

Organization:	University Of Alabama In Huntsville
Training Center Name:	University Of Alabama In Huntsville
Course:	Stormwater Pollution Prevention
Course Status:	Active courses
Delivery Method:	ALL
Date from:	---
Date to:	---
User status:	Active
Security Level:	ALL
Training status:	Complete
Reached Max Test Attempts:	
CHARGED_DEPT_TITLE	ALL
DirectManagerUAH	ALL
HL_SCHOOL_TITLE	ALL
Labs with Bio Material	ALL
Labs with Chemicals	ALL
Labs with Compressed Gas	ALL
Labs with Electronics	ALL
Labs with Lasers	ALL
Labs with Radiation	ALL
Machine Shop	ALL
Maker Space	ALL
POSNTITLE	ALL

Report Output:

Note: C=Complete I=Incomplete NS=Not Started EX=Exemption EQ=Equivalency OD=Overdue REQ=Required OPT=Optional

Course: Stormwater Pollution Prevention (WBT) - ehs_hsf_d60_sh_enus

User Name	Training	Status	Completion Date	Date Due	Exemption Expiration Date	Print Cert
Andersong, Tracey	REQ	C	2024-FEB-22	2024-FEB-24		
Brancato, Beverly	REQ	C	2024-JAN-26	2024-FEB-24		
Buchanan, Daniel	REQ	C	2024-NOV-18	2025-FEB-13		
Buchanan, Daniel	REQ	C	2024-FEB-14	2024-MAR-13		
Butler, Brantlett	REQ	C	2024-NOV-04	2025-JAN-31		
Butler, Brantlett	REQ	C	2024-FEB-02	2024-FEB-24		
Butler, Daniel	REQ	C	2025-JAN-24	2025-JAN-31		
Butler, Daniel	REQ	C	2024-MAR-06	2024-FEB-24		
Calavan, Daniel	REQ	C	2024-FEB-01	2024-FEB-24		
Carroll, Thomas	REQ	C	2024-DEC-03	2025-JAN-31		
Carroll, Thomas	REQ	C	2024-FEB-22	2024-FEB-24		
Chapa, Wilbert	REQ	C	2024-MAY-02	2024-FEB-24		
Clay, Marketa	REQ	C	2024-DEC-28	2025-JAN-31		
Clay, Marketa	REQ	C	2024-JAN-29	2024-FEB-24		
Coggin, Heather	REQ	C	2025-FEB-13	2025-FEB-24		
Cooper, Daniel	REQ	C	2024-MAR-22	2024-FEB-24		
Cooper, Reginald	REQ	C	2024-DEC-02	2025-JAN-31		
Cooper, Reginald	REQ	C	2024-FEB-23	2024-FEB-24		
Danielowicz, Derrick	REQ	C	2024-DEC-27	2025-JAN-31		
Danielowicz, Derrick	REQ	C	2024-FEB-29	2024-FEB-24		
Dant, John	REQ	C	2025-JAN-02	2025-JAN-31		
Dant, John	REQ	C	2024-FEB-22	2024-FEB-24		
Davis, James	REQ	C	2025-JAN-16	2025-JAN-31		
Davis, James	REQ	C	2024-FEB-23	2024-FEB-24		
Davis, Melissa	REQ	C	2025-JAN-10	2025-JAN-31		
Davis, Melissa	REQ	C	2024-JAN-26	2024-FEB-24		
DeBardelaben, Candi	REQ	C	2024-NOV-14	2025-JAN-31		
DeBardelaben, Candi	REQ	C	2024-FEB-22	2024-FEB-24		
Evans, Tilly	REQ	C	2025-JAN-22	2025-JAN-31		
Evans, Tilly	REQ	C	2024-FEB-09	2024-FEB-24		

Fuller, John	REQ	C	2024-DEC-11	2025-JAN-31	
Fuller, John	REQ	C	2024-MAR-01	2024-FEB-24	
Gaylord, Fonda	REQ	C	2024-FEB-22	2024-FEB-24	
Gibisch, Jeffrey	REQ	C	2024-MAR-08	2024-FEB-24	
Guenther, Rachel	REQ	C	2024-DEC-03	2025-JAN-31	
Guenther, Rachel	REQ	C	2024-FEB-26	2024-FEB-24	
Hagadorn, Travis	REQ	C	2024-FEB-15	2024-FEB-24	
Jean, Daniel	REQ	C	2024-NOV-05	2025-JAN-31	
Jean, Daniel	REQ	C	2024-JAN-29	2024-FEB-24	
Kern, Christopher	REQ	C	2025-MAR-20	2025-SEP-02	
Lee, Brendan	REQ	C	2025-MAR-06	2025-MAR-12	
Lee, Brendan	REQ	C	2024-MAR-12	2024-MAR-13	
Mitchell, Jeremy	REQ	C	2024-NOV-08	2025-JAN-31	
Mitchell, Jeremy	REQ	C	2024-MAR-01	2024-FEB-24	
Montgomery, Gail	REQ	C	2025-JAN-06	2025-JAN-31	
Montgomery, Gail	REQ	C	2024-OCT-14	2024-FEB-24	
Morring, Ricky	REQ	C	2024-MAR-01	2024-FEB-24	
Motton, Caleb	REQ	C	2024-DEC-18	2025-JAN-31	
Motton, Caleb	REQ	C	2024-FEB-22	2024-FEB-24	
Newton, Alyssa	REQ	C	2025-JAN-29	2025-FEB-24	
Noblit, Thomas	REQ	C	2024-NOV-08	2025-JAN-31	
Noblit, Thomas	REQ	C	2024-FEB-22	2024-FEB-24	
Posey, John	REQ	C	2024-NOV-04	2025-JAN-31	
Posey, John	REQ	C	2024-FEB-22	2024-FEB-24	
Randolph, Tyler	REQ	C	2024-NOV-05	2025-JAN-31	
Randolph, Tyler	REQ	C	2024-JAN-30	2024-FEB-24	
Reed, Christian	REQ	C	2024-MAR-01	2024-FEB-24	
Roe, Michelle	REQ	C	2024-JAN-30	2024-FEB-24	
Saiki, Roxanne	REQ	C	2024-MAR-24	2024-FEB-24	
Sanders, John	REQ	C	2025-JAN-07	2025-JAN-31	
Sanders, John	REQ	C	2024-APR-01	2024-FEB-24	
Satterfield, Larry	REQ	C	2024-DEC-06	2025-JAN-31	
Satterfield, Larry	REQ	C	2024-FEB-01	2024-FEB-24	
Sims, Shelby	REQ	C	2024-JAN-26	2024-FEB-24	
Smith, Larry	REQ	C	2024-FEB-22	2024-FEB-24	
Story, Caroline	REQ	C	2024-OCT-31	2025-JAN-17	
Story, Caroline	REQ	C	2024-JAN-18	2024-MAR-13	
Teague, Rickey	REQ	C	2024-NOV-15	2025-JAN-31	
Teague, Rickey	REQ	C	2024-FEB-22	2024-FEB-24	
Thompson, Jeffrey	REQ	C	2024-NOV-08	2025-JAN-31	
Thompson, Jeffrey	REQ	C	2024-MAR-01	2024-FEB-24	
Tollefson, Tory	REQ	C	2024-NOV-04	2025-JAN-31	
Tollefson, Tory	REQ	C	2024-FEB-22	2024-FEB-24	
Ward, Dustin	REQ	C	2024-NOV-15	2025-JAN-31	
Ward, Dustin	REQ	C	2024-MAY-02	2024-FEB-24	
Webb, Hannah	REQ	C	2025-JAN-14	2025-FEB-05	
Webb, Hannah	REQ	C	2024-FEB-06	2024-MAR-13	
Welch, Richard	REQ	C	2024-FEB-25	2024-FEB-24	
West, Robert	REQ	C	2025-JAN-06	2025-JAN-31	
West, Robert	REQ	C	2024-MAR-05	2024-FEB-24	
Wood, Christopher	REQ	C	2024-NOV-08	2025-JAN-31	
Wood, Christopher	REQ	C	2024-FEB-22	2024-FEB-24	

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Subwatershed: McDonald/MCD12		Outfall ID: OF001
Today's date: 02/03/2025		Time (Military): 13:42
Investigators: Darby Parrish		Form completed by: Darby Parrish
Temperature (°F): 69°F	Rainfall (in.): Last 24 hours: none Last 48 hours: none	
Latitude: 34.735037	Longitude: -86.653622	Location description: approximately 200-ft north of the intersection of Wynn Drive NW and Holmes Avenue NW

Land Use in Drainage Area (Check all that apply):

☐ Industrial	☒ Open Space
☐ Ultra-Urban Residential	☐ Institutional
☐ Suburban Residential	Other: _____
☒ Commercial	Known Industries: _____

Notes (e.g., origin of outfall, if known): A storage facility has been constructed immediately north of this outfall. Drainage flows south along the curb to an inlet located at 34.734323/-86.653884 at the northeast corner of the intersection of Wynn Drive NW and Holmes Avenue NW. Drainage entering this inlet includes stormwater from the entrance to Executive Plaza and the right of way along Wynn Drive. The Huntsville Interactive website lists the creation date for this inlet as 02/24/1998.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☒ Other: concrete	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 30	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ **In-Stream**	**(applicable when collecting samples)**				
Flow Present?	☐ Yes ☒ No	***If No, Skip to Section 5***			
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		**RESULT**	**UNIT**	**EQUIPMENT**
☐Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐Flow #2	Flow depth		In	Tape measure
	Flow width	_____' _____"	Ft, In	Tape measure
	Measured length	_____' _____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☐ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☐ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? None

Post-Construction BMP
Annual O&M Inspection
UAH MS4

A "BMP" (Best Management Practice) is a structural or non-structural land applied treatment to enhance, filter and protect storm water as it runs off your property, eventually contributing to the ground water supply.

Type of Post-BMPs measures for this site/entity: NEW DEVELOPMENT _____ RE-Development _____
Structural ___✓___Non-Structural _____ (LID) Low impact development _____ (GI) Green infrastructure _____

University of Alabama in Huntsville Annual Inspection Form
Business name

Please take a minute to walk around the grounds of the business area and inspect the site and answer the questions below. A copy of this report should be kept on file at the OEHS office.

12 Inspection Items	YES	NO	N/A
1. Is there a routine schedule for litter pick up around your grounds?	✓		
2. Are garbage dumpsters accessible, secure, maintained and serviced?	✓		
3. Are litter receptacles accessible, secure, and maintained?	✓		
4. Are the storm drains clean of debris and trash?	✓		
5. Has there ever been any hazardous material poured into the storm drains? (oil, grease, soap, chemicals) If yes, call 705-5454 for reporting		✓	
6. Are natural areas around the business maintained?	✓		
7. Are there any damp or seep areas present with foul odors?		✓	
8. Is there a detention pond on the property?	✓		
9. If YES, is the detention pond maintained and inspected? (Call 705-5454 for assistance)	✓		
10. Is there **any erosion** or bare soils present on the premises?	✓		
11. Do employees know how to report hazardous spills?	✓		
12. Do you feel that the storm water that runs off the business property is fit to enter the streams?	✓		

Date Inspected: 02/03/2025

Signature Darcy Parris

Retain a copy for your records and file for three (3) years.