MUNCIPAL SEPARATE STORM SEWER SYSTEM
ANNUAL REPORT

April 1, 2025 Through March 31, 2026

University of Alabama in Huntsville

301 Sparkman Drive

Huntsville, Alabama 35899

Project No: 1529A

May 22, 2026

4890 University Square, Ste. 2
Huntsville, Alabama 35816
256-541-0165
gteccorp.com

May 22, 2026

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, 2025 through March 31, 2026
301 Sparkman Drive
Huntsville, Alabama 35899
Project No: 1529AA

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-00853, dated November 10, 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,

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, 2025 through March 31, 2026 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 one-hundred and fifteen (115) 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
Director-Office of Environmental Health and Safety (UAH)
Shelbie King Hall
188 Sparkman Drive NW, Huntsville, Alabama 35805
256-824-6053
Hannah.webb@uah.edu

Mr. Daniel Buchanan- Responsible Party
Environmental Compliance Program Manager (UAH)
Shelbie King Hall
188 Sparkman Drive NW, Huntsville, Alabama 35805
256-824-2171
Daniel.buchanan@uah.edu

Mr. Christian Reed, AIA, NCARB- Responsible Party
Chief Facilities Officer, Campus Architect (UAH)
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Ms. Gloria Greene, CRA
Assistant Vice President, Contracts & Grants, Research, & Compliance
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256-824-2657
greeneg@uah.edu

Mr. Chris Jones, P.E.
Senior Engineer (GTEC, LLC)
4080 University Square, Suite 2, Huntsville, Alabama 35816
256-541-0165
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. The UAH continues to maintain the series retention ponds to improve the function of the BMPs and remove litter/floatable materials from the ponds. During this reporting year, the UAH was selected as a winner of the Huntsville Beautification Award, which is judged by criteria including maintenance, hard scape design and litter control. During this reporting year the UAH successfully completed an MS4 audit performed by the Alabama Department of Environmental Management (ADEM) and implemented additional procedures associated with record keeping per the MS4 requirements. The UAH identified and delineated water resources on the northwest corner of the campus and coordinated the findings with the United States Army Corps of Engineers (USACE) to obtain an Approved Jurisdictional Determination (AJD) letter. The study was performed to identify and protect these resources during the proposed future development of this area. 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 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 two (2) active

construction sites within the MS4 during this reporting year, including the Raymond B. Jones Engineering Building, which was an ongoing project, and the new UAH Track and Field Project which began late in this reporting year. No runoff complaints, violations, or enforcement actions were reported this year.

The UAH improved public education and outreach efforts to include hands on learning during quarterly pond cleanup activities implemented in 2026 and used the yearly week of welcome to familiarize new students with good stormwater management practices.

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'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 and 2025 and continues to participate in Tree Campus Higher Education program organized by the Arbor Day Foundation.

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. The UAH's current MS4 permit expires September 30, 2026. The UAH will review and update the SWMPP and complete Notice of Intent (NOI) for re-issuance of the permit.

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 a 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. These posters and signs are placed in strategic locations on campus including Charger Union, most buildings around campus, 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 maintained year around and 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 22, 2025. 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. More than 100 students attended the Earth Day Event with 37 participants completing the quiz/survey. Photographs of the event are provided in Appendix D.

Madison County Water Festival

The UAH hosted the 25th Madison County Water Festival on May 6 and 7, 2025, where approximately 1,725 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 approximately 95 volunteers including local professionals in water quality fields.

Quarterly Pond Cleanup

On March 14, 2026, the UAH initiated a quarterly pond cleanup program. Six students attended the first quarterly pond cleanup event where they learned how debris/litter can impact water resources through the hands on learning opportunity. Three 30-gallon garbage bags of the trash/litter were picked up from the campus and properly disposed of.

Week of Welcome

The UAH's Week of Welcome occurred on August 20, 2025. The UAH's OEHS used this yearly welcome event to inform approximately 150 new students of the importance of water quality protection. The students were informed about the location of the UAHs stormwater resources and the OEHS wend over good practices regarding what should and should not be placed in drains.

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 required by the permit. 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 and the use of medallions on stormwater inlets provides daily reminders of the importance of water quality. 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. Due to the lack of illicit discharges, stormwater permit violations, and turnouts for public involvement activities, the BMPs used by the UAH are effective in protecting stormwater.

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, Mr. Chris Jones of GTEC performed a dry weather screening of Outfall OF001 on June 3, 2026 after a meeting with the USACE to look at the delineated water resources on the former Executive Plaza portion of the campus. The inspection record documenting the findings is provided in Appendix C.

The SWMPP and site maps were reviewed during this reporting year and last revised in 2022. 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 the 2021 through 2022 reporting year. Measurable goals including site mapping, training, dry weather screening, and illicit discharge detection and reporting procedures 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 during the upcoming permit renewal process.

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 expired March 31, 2026; however, a re-issuance NOI was submitted. The expired permit was extended by the ADEM pending issuance of the new campus wide permit. 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 two active construction projects within the UAH MS4. Specific project details are provided in the following table:

Project	Permit Number Applicant	Inspections	Complaints	Enforcement Actions
Jones Engineering	ALR109729	Monthly/Post Rain Event-Building and Earth Quarterly Inspections for MS4 Permit-GTEC (4)	0	0
UAH Track and Field	ALR109729	Monthly/Post Rain Event-GTEC (1) Quarterly Inspections for MS4 Permit-GTEC (1)	0	0

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 as part of the permit renewal process 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. Additional post-construction BMPs include riprap-lined drainage channels/tributaries and vegetative areas.

A post-construction inspection was performed by Mr. Chris Jones of GTEC on June 3, 2025. A copy of the inspection record is provided in Appendix C.

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 winner of the Huntsville Beautification Awards, most recently for 2025 and for the first time the UAH won the Award of Excellence as the Most Outstanding Property in District 4 in 2024. 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 Greene 5/26/2026

Gloria Greene
Assistant Vice President, Contracts & Grants, Research, & Compliance
UAH Annual Report 2025-2026

APPENDIX A

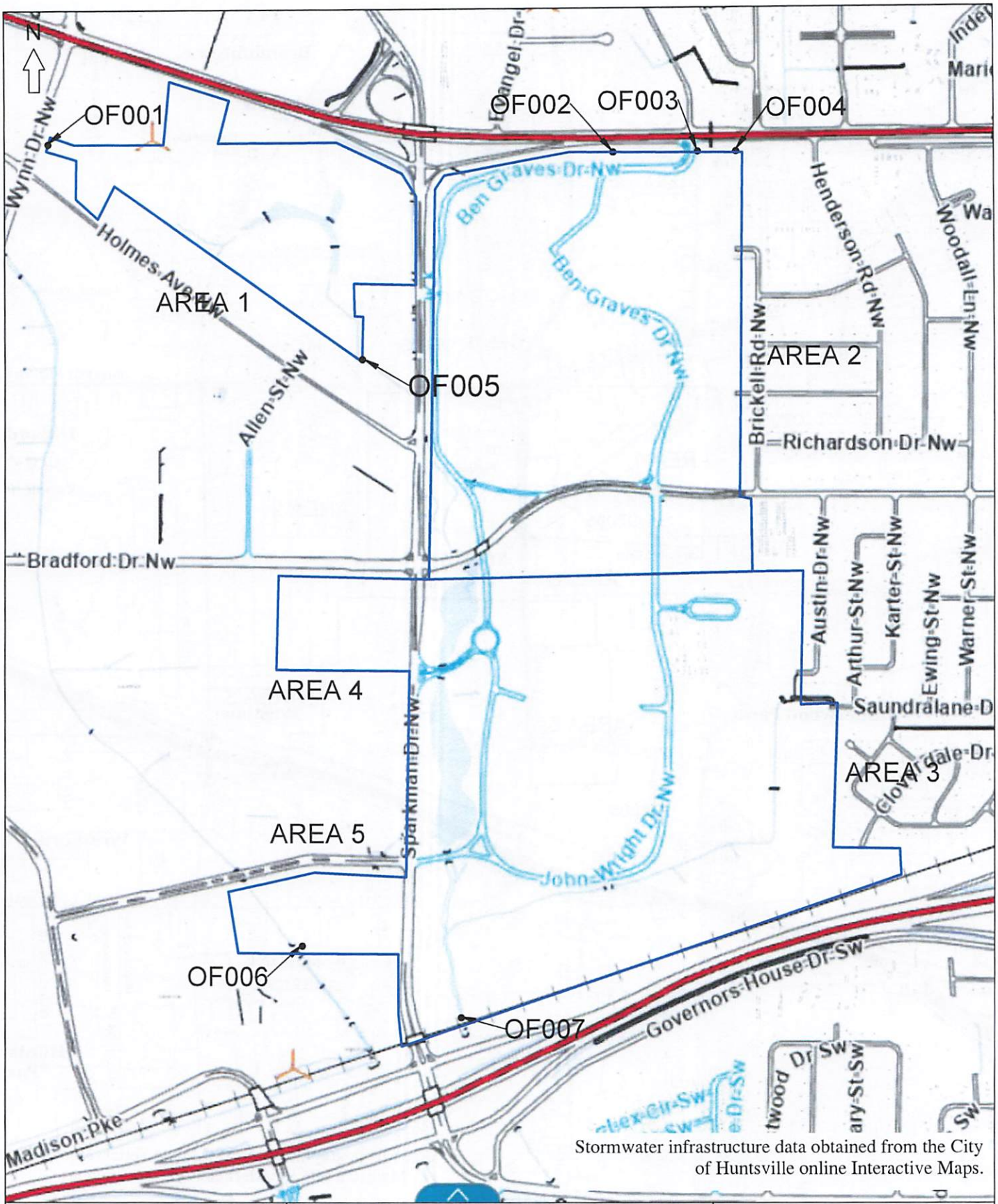


USGS Topographic Map, 7.5-Minute Series, Huntsville, Madison, Jeff and Meridianville Quadrangles, 2024.

Project Number:	1529
Project Name:	UAH MS4
Project Location:	Sparkman Drive Huntsville, Alabama
Date:	5/22/2026
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:	5/22/2026
Scale:	1" = 1,000'
Figure No. 2	

GTEC
Geotechnical Testing & Environmental Consultants

Outfall Location Map

APPENDIX B

FIRST NAME	LAST NAME	CONTENT TITLE	STATUS	COMPLETED DATE
William	Doody	Stormwater Pollution Prevention	Completed	12/24/2025
Jeremy	Gable	Stormwater Pollution Prevention	Completed	9/9/2025
Ellis	Thompson	Stormwater Pollution Prevention	Completed	8/22/2025
Vance	Kanaday	Stormwater Pollution Prevention	Completed	11/25/2025
Jeffrey	Crosby	Stormwater Pollution Prevention	Completed	1/20/2026
Zachary	McDaniel	Stormwater Pollution Prevention	Completed	3/16/2026
Brenda	Peacher	Stormwater Pollution Prevention	Completed	12/15/2025
Jerry	Rowell	Stormwater Pollution Prevention	Completed	3/19/2026
Allison	Mason	Stormwater Pollution Prevention	Completed	3/24/2026
Sameera	White	Stormwater Pollution Prevention	Completed	3/6/2026
Catherine	Jodon	Stormwater Pollution Prevention	Completed	2/26/2026
Joel	Stanfield	Stormwater Pollution Prevention	Completed	3/10/2026
Jackson	Parks	Stormwater Pollution Prevention	Completed	1/16/2026
Kayla	Andersong	Stormwater Pollution Prevention	Completed	1/21/2026
Michael	Couch	Stormwater Pollution Prevention	Completed	1/9/2026
Jeffrey	Cantrell	Stormwater Pollution Prevention	Completed	1/27/2026
Shane	Wilbanks	Stormwater Pollution Prevention	Completed	5/28/2025
Jonathan	Nilsen	Stormwater Pollution Prevention	Completed	8/25/2025
Bevely	Brown	Stormwater Pollution Prevention	Completed	3/16/2026
Jeremy	Gable	Stormwater Pollution Prevention	Completed	9/9/2025
Ellis	Thompson	Stormwater Pollution Prevention	Completed	8/22/2025
Vance	Kanaday	Stormwater Pollution Prevention	Completed	11/25/2025
Jackson	Parks	Stormwater Pollution Prevention	Completed	1/16/2026
Jeffrey	Cantrell	Stormwater Pollution Prevention	Completed	1/27/2026
Shane	Wilbanks	Stormwater Pollution Prevention	Completed	5/28/2025
Jonathan	Nilsen	Stormwater Pollution Prevention	Completed	8/25/2025
Caroline	Story	Stormwater Pollution Prevention	Completed	10/31/2025
Brendan	Lee	Stormwater Pollution Prevention	Completed	2/25/2026
Hannah	Webb	Stormwater Pollution Prevention	Completed	2/9/2026
Daniel	Buchanan	Stormwater Pollution Prevention	Completed	11/14/2025

March 14, 2026 Pond Clean-Up Sign-In Sheet

Please Print Your Name Below

Abigail Eubank	
Adyn Norris	
Zachary Hinterleman	
Brayden Hoffair	
Paytons Barnes	

Trash Collection: 30 Gallon Bags used 3

APPENDIX C

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM)
NPDES CONSTRUCTION STORMWATER INSPECTION REPORT AND BMP CERTIFICATION

Instructions: Please complete all questions. Respond with "N/A" as appropriate. Forms with incomplete or incorrect answers, or missing signatures will delay processing and may result in appropriate compliance action by the Department.

ITEM I.

Permittee Name:	Facility/Site Name:
University of Alabama Huntsville	Campus Improvements-Jones Engineering Bldg
Permit Number:	County:
ALR109729	Madison
Facility/Site Entrance Latitude & Longitude:	Phone Number:
34.723841, -86.643908	256-824-2534
Facility/Site Street Address or Location Description:	
Jones Engineering Building-Active Construction Site, Quarterly Inspection performed for compliance with MS4 Permit.	

ITEM II.

List name of current ultimate receiving water(s) (indicate if through MS4) and the number of disturbed acres which drains through each treatment system or BMP: Add additional sheet(s) if necessary.

Receiving Water	Disturbed Acres	Discharge Point #
McDonald Creek-UAH MS4 and City of Huntsville MS4	about 5-acres	Retention Pond

ITEM III.

☐ YES ☒ NO	1. Did discharges of sediment or other pollutants occur from the site? If "Yes", please list a description of the discharge(s) and their location(s):
☒ YES ☐ NO	2. Were BMPs properly implemented and maintained at the time of inspection? If "No", please provide location(s) and descriptions of BMPs that need maintenance:
☐ YES ☒ NO	3. Are BMPs needed in addition to those already present onsite at the time of inspection? If "Yes" please provide a description and location of additional BMPs that are needed:
☐ YES ☒ NO	4. Have any BMPs failed to operate as designed? If "Yes", please provide location(s) and description of BMP(s) that failed:
☐ YES ☒ NO	5. Were there BMPs required by the CBMPP that were not installed or installed in a manner not consistent with the CBMPP? If "Yes", please provide a description and location where the BMPs were not installed or installed incorrectly:

ITEM IV.

Weather Conditions: Sunny			
Discharge Point #	**Date, Time, and Location of Samples Collected**	**Sample Results**	**Analytical Method(s)**
NA			

"Based upon an inspection conducted on June 30, 2025 (Date & Time) by the QCP, QCI, or a qualified person (List Name(s): Chris Jones) under the direct supervision of the QCP identified below, the QCI or QCP identified below certifies that effective structural and non-structural BMPs have been fully implemented and regularly maintained to the maximum extent practicable for the prevention and minimization of all sources of pollution in stormwater and authorized related process wastewater runoff, **except for those deficiencies noted above**, in accordance with the facility's CBMPP, good sediment, erosion, and other pollution control practices, and the requirements of the permit. I certify that discharges have been tested or evaluated for the presence of non-stormwater and non-authorized process wastewaters. 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 certify that this form has not been altered, and if copied or reproduced, is consistent in format and identical in content to the ADEM approved form. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Name & Designation of QCI or QCP	Signature	Date
Chris Jones, P.E.		07-01-25

Name & Title of Permittee Responsible Official	Signature	Date

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM)
NPDES CONSTRUCTION STORMWATER INSPECTION REPORT AND BMP CERTIFICATION

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ITEM I.

Permittee Name:	Facility/Site Name:
University of Alabama Huntsville	Campus Improvements-Jones Engineering Bldg
Permit Number:	County:
ALR109729	Madison
Facility/Site Entrance Latitude & Longitude:	Phone Number:
34.723841, -86.643908	256-824-2534
Facility/Site Street Address or Location Description:	
Jones Engineering Building-Active Construction Site, Quarterly Inspection performed for compliance with MS4 Permit.	

ITEM II.

List name of current ultimate receiving water(s) (indicate if through MS4) and the number of disturbed acres which drains through each treatment system or BMP: Add additional sheet(s) if necessary.

Receiving Water	Disturbed Acres	Discharge Point #
McDonald Creek-UAH MS4 and City of Huntsville MS4	about 5-acres	Retention Pond

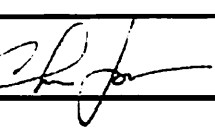
ITEM III.

☐ YES ☒ NO	1. Did discharges of sediment or other pollutants occur from the site? If "Yes", please list a description of the discharge(s) and their location(s):
☒ YES ☐ NO	2. Were BMPs properly implemented and maintained at the time of inspection? If "No", please provide location(s) and descriptions of BMPs that need maintenance:
☐ YES ☒ NO	3. Are BMPs needed in addition to those already present onsite at the time of inspection? If "Yes" please provide a description and location of additional BMPs that are needed:
☐ YES ☒ NO	4. Have any BMPs failed to operate as designed? If "Yes", please provide location(s) and description of BMP(s) that failed:
☐ YES ☒ NO	5. Were there BMPs required by the CBMPP that were not installed or installed in a manner not consistent with the CBMPP? If "Yes", please provide a description and location where the BMPs were not installed or installed incorrectly:

ITEM IV.

Weather Conditions:			
Discharge Point #	**Date, Time, and Location of Samples Collected**	**Sample Results**	**Analytical Method(s)**

"Based upon an inspection conducted on July 21, 2025 (Date & Time) by the QCP, QCI, or a qualified person (List Name(s): Chris Jones) under the direct supervision of the QCP identified below, the QCI or QCP identified below certifies that effective structural and non-structural BMPs have been fully implemented and regularly maintained to the maximum extent practicable for the prevention and minimization of all sources of pollution in stormwater and authorized related process wastewater runoff, **except for those deficiencies noted above,** in accordance with the facility's CBMPP, good sediment, erosion, and other pollution control practices, and the requirements of the permit. I certify that discharges have been tested or evaluated for the presence of non-stormwater and non-authorized process wastewaters. 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 certify that this form has not been altered, and if copied or reproduced, is consistent in format and identical in content to the ADEM approved form. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Name & Designation of QCI or QCP	Signature	Date
Chris Jones, P.E.		7-23-25

Name & Title of Permittee Responsible Official	Signature	Date

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM)
NPDES CONSTRUCTION STORMWATER INSPECTION REPORT AND BMP CERTIFICATION

Instructions: Please complete all questions. Respond with "N/A" as appropriate. Forms with incomplete or incorrect answers, or missing signatures will delay processing and may result in appropriate compliance action by the Department.

ITEM I.

Permittee Name: University of Alabama Huntsville	Facility/Site Name: Campus Improvements-Jones Engineering Bldg
Permit Number: ALR109729	County: Madison
Facility/Site Entrance Latitude & Longitude: 34.723841, -86.643908	Phone Number: 256-824-2534
Facility/Site Street Address or Location Description: Jones Engineering Building-Active Construction Site, Quarterly Inspection performed for compliance with MS4 Permit.	

ITEM II.

List name of current ultimate receiving water(s) (indicate if through MS4) and the number of disturbed acres which drains through each treatment system or BMP: Add additional sheet(s) if necessary.

Receiving Water	Disturbed Acres	Discharge Point #
McDonald Creek-UAH MS4 and City of Huntsville MS4	about 5-acres	Retention Pond

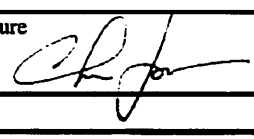
ITEM III.

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☒ YES ☐ NO	2. Were BMPs properly implemented and maintained at the time of inspection? If "No", please provide location(s) and descriptions of BMPs that need maintenance:
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☐ YES ☒ NO	5. Were there BMPs required by the CBMPP that were not installed or installed in a manner not consistent with the CBMPP? If "Yes", please provide a description and location where the BMPs were not installed or installed incorrectly:

ITEM IV.

Weather Conditions:			
Discharge Point #	**Date, Time, and Location of Samples Collected**	**Sample Results**	**Analytical Method(s)**

"Based upon an inspection conducted on October 22,2025 (Date & Time) by the QCP, QCI, or a qualified person (List Name(s): Chris Jones) under the direct supervision of the QCP identified below, the QCI or QCP identified below certifies that effective structural and non-structural BMPs have been fully implemented and regularly maintained to the maximum extent practicable for the prevention and minimization of all sources of pollution in stormwater and authorized related process wastewater runoff, **except for those deficiencies noted above**, in accordance with the facility's CBMPP, good sediment, erosion, and other pollution control practices, and the requirements of the permit. I certify that discharges have been tested or evaluated for the presence of non-stormwater and non-authorized process wastewaters. 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 certify that this form has not been altered, and if copied or reproduced, is consistent in format and identical in content to the ADEM approved form. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Name & Designation of QCI or QCP	Signature	Date
Chris Jones, P.E.		10-24-25

Name & Title of Permittee Responsible Official	Signature	Date

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM)
NPDES CONSTRUCTION STORMWATER INSPECTION REPORT AND BMP CERTIFICATION

Instructions: Please complete all questions. Respond with "N/A" as appropriate. Forms with incomplete or incorrect answers, or missing signatures will delay processing and may result in appropriate compliance action by the Department.

ITEM I.

Permittee Name:	Facility/Site Name:
University of Alabama Huntsville	Campus Improvements-Jones Engineering Bldg
Permit Number:	County:
ALR109729	Madison
Facility/Site Entrance Latitude & Longitude:	Phone Number:
34.723841, -86.643908	256-824-2534
Facility/Site Street Address or Location Description:	
Jones Engineering Building-Active Construction Site, Quarterly Inspection performed for compliance with MS4 Permit.	

ITEM II.

List name of current ultimate receiving water(s) (indicate if through MS4) and the number of disturbed acres which drains through each treatment system or BMP: Add additional sheet(s) if necessary.

Receiving Water	Disturbed Acres	Discharge Point #
McDonald Creek-UAH MS4 and City of Huntsville MS4	about 5-acres	Retention Pond

ITEM III.

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☒ YES ☐ NO	2. Were BMPs properly implemented and maintained at the time of inspection? If "No", please provide location(s) and descriptions of BMPs that need maintenance:
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☐ YES ☒ NO	5. Were there BMPs required by the CBMPP that were not installed or installed in a manner not consistent with the CBMPP? If "Yes", please provide a description and location where the BMPs were not installed or installed incorrectly:

ITEM IV.

Weather Conditions: Sunny			
Discharge Point #	**Date, Time, and Location of Samples Collected**	**Sample Results**	**Analytical Method(s)**
NA			

"Based upon an inspection conducted on March 12, 2026 (Date & Time) by the QCP, QCI, or a qualified person (List Name(s): Chris Jones) under the direct supervision of the QCP identified below, the QCI or QCP identified below certifies that effective structural and non-structural BMPs have been fully implemented and regularly maintained to the maximum extent practicable for the prevention and minimization of all sources of pollution in stormwater and authorized related process wastewater runoff, **except for those deficiencies noted above**, in accordance with the facility's CBMPP, good sediment, erosion, and other pollution control practices, and the requirements of the permit. I certify that discharges have been tested or evaluated for the presence of non-stormwater and non-authorized process wastewaters. 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 certify that this form has not been altered, and if copied or reproduced, is consistent in format and identical in content to the ADEM approved form. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Name & Designation of QCI or QCP	Signature	Date
Chris Jones, P.E.		3-13-26

Name & Title of Permittee Responsible Official	Signature	Date

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Subwatershed: McDonald/MCD13		Outfall ID: OF005
Today's date: 06/03/2025		Time (Military): 10:48
Investigators: Chris Jones		Form completed by: Chris Jones
Temperature (°F): 77°F	Rainfall (in.): Last 24 hours: none Last 48 hours: none	
Latitude: 34.730430	Longitude: -86.645603	Location description: Approximately 50-ft west of the southwest corner of the building located at 511 Sparkman Drive.

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): An impoundment of a UT to McDonald Creek is present on site. The majority of stormwater associated with the Executive Plaza complex enters this impoundment. A small area of stormwater drainage from the adjoining residential area also enters the impoundment. In addition, stormwater from the parking lot associated with the building at 515 Sparkman Drive enters the UT downgradient of the impoundment.

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: 15 inches	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?	✓		

Structural post construction BMPs primarily consist of riprap lined drainage channels/tributaries and a series of retention ponds. These structural BMPs were observed to be functioning as intended. Areas where bare soils were observed included active construction sites and small isolated areas where permanent vegetation (grass) had died and was waiting replacement. Active erosion and discharge of sediment from the campus was not observed.

Date Inspected: June 3, 2026

Signature _____

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

APPENDIX D



Photograph 1: UAH's OEHS education booth at the Earth Day Celebration on April 22, 2025.



Photograph 2: Madison County Water Festival, May of 2025, public education and outreach event.

	GTEC Geotechnical Testing & Environmental Consulting 4890 University Sq., Ste 2 Huntsville, AL 35816 P.256-541-0165 www.GTECcorp.com
	Project Name: UAH MS4 Annual Report
Site Photographs	Drawn By:
	Location: 301 Sparkman Drive, Huntsville, AL
	Date: Various
	Photographs Pg. 1



Photograph 3: Madison County Water Festival, May of 2025, public education and outreach event.



Photograph 4: Madison County Water Festival, May of 2025, public education and outreach event.

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Project Name: UAH MS4 Annual Report

Site Photographs

Drawn By:

Location: 301 Sparkman Drive, Huntsville, AL

Date: Various



Photograph 5: UAH Quarterly pond cleanup.



Photograph 6: Educational booth at the Week of Welcome, August 2025.

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Geotechnical Testing & Environmental Consulting
4890 University Sq., Ste 2
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P.256-541-0165
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Project Name: UAH MS4 Annual Report

Site Photographs

Drawn By:

Location: 301 Sparkman Drive, Huntsville, AL

Date: Various



Photograph 7: Educational booth at the Week of Welcome, August 2025.

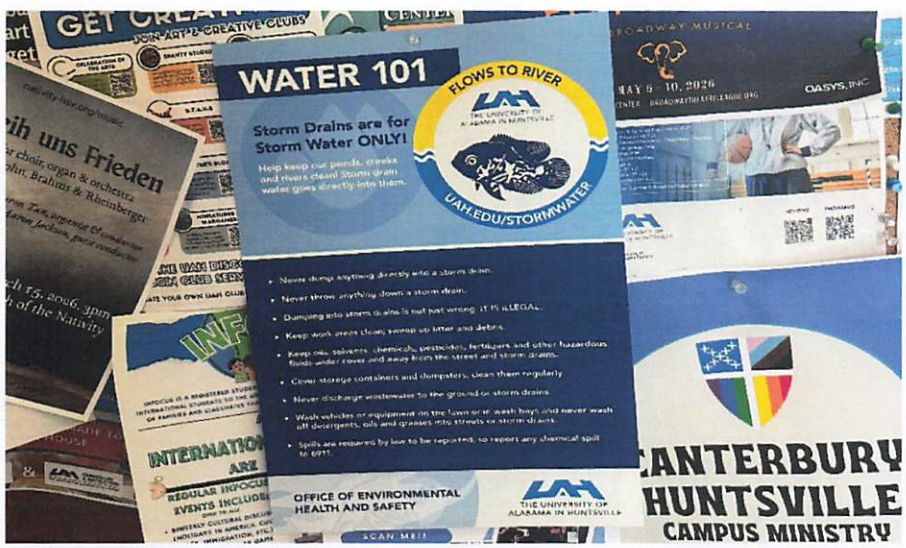


Photograph 8: Posted educational flyer.

	GTEC Geotechnical Testing & Environmental Consulting 4890 University Sq., Ste 2 Huntsville, AL 35816 P.256-541-0165 www.GTECcorp.com
	Project Name: UAH MS4 Annual Report
Site Photographs	Drawn By:
	Location: 301 Sparkman Drive, Huntsville, AL
	Date: Various
	Photographs Pg. 4



Photograph 9: Posted educational flyer.



Photograph 10: Posted educational flyer.

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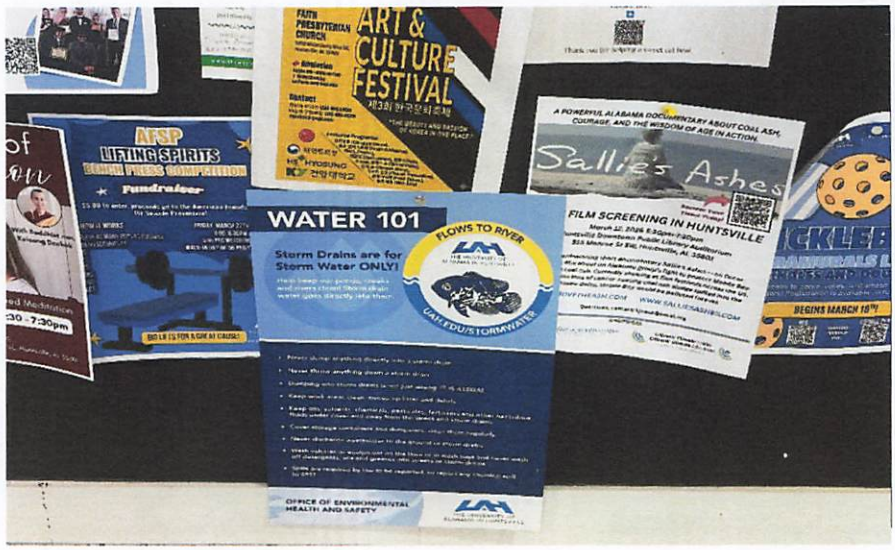
Project Name: UAH MS4 Annual Report

Site Photographs

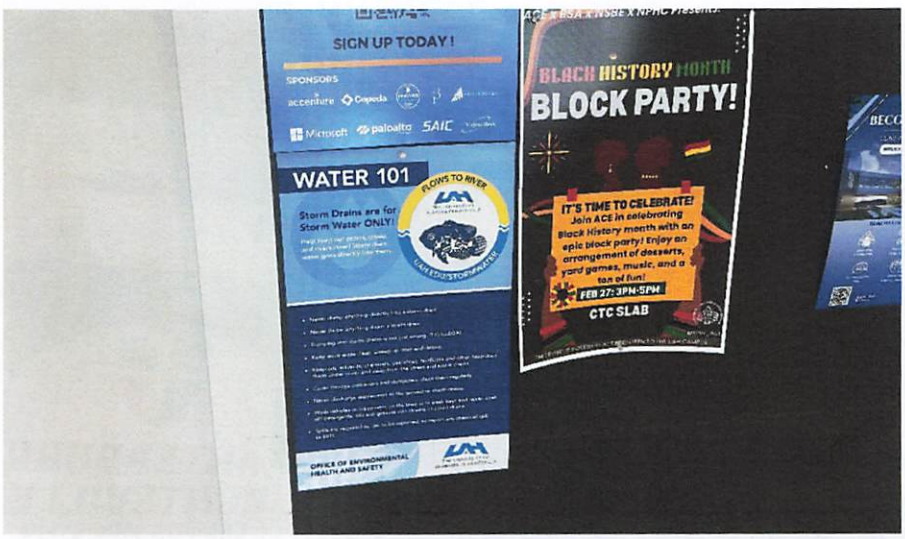
Drawn By:

Location: 301 Sparkman Drive, Huntsville, AL

Date: Various



Photograph 11: Posted educational flyer.



Photograph 12: Posted educational flyer.

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Site Photographs	Project Name: UAH MS4 Annual Report
	Drawn By:
	Location: 301 Sparkman Drive, Huntsville, AL
	Date: Various
	Photographs Pg. 6