

ANNUAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT NCS00434 REPORT - **2024**
(Revised November 16, 2022)

Currently, the City of Archdale is located in both Randolph County and Guilford County. The current area and population in Randolph County is **11,923** and **7.80** square miles; Guilford County is **355** and **1.00** square miles. [Total is **12,278** and **8.80** square miles]

SECTION A: PROGRAM IMPLEMENTATION

The City of Archdale currently maintains adequate funding and staffing of the individual components of the ACE Integrated Stormwater Management Plan authorized by the City Council of Archdale during its regular session on December 18, 2007 upon the recommendations of the then newly established Stormwater Advisory Board - which also acts as a specific conduit for citizen interaction, participation, and involvement - and the current Stormwater Water Program Manager establishing initial authority from the Clean Water Act of 1972. As part of the program, **Mr. D. J. Señeres, PE, PWLF** is currently adapting modifications mandated by the State Representative, **Mr. Isaiah L. Reed, PE, MS4CECI** upcoming changes related to a long time goal of spreadsheet column generated reporting in a standardized template originating from a Local Government Information Model (LGIM) currently unavailable due to technical issues. This stop-gap analysis involves discussing each of the permit requirements establishing compliance has been met for the year. Each year additional concepts are modified to enhance the already existing program. No modifications of the initial 30-year conceptual ACE Integrated Stormwater Management Plan has occurred since the inception of the program but modifications to presentation Current letters approved by the City Attorney for violations indicate that the maximum fine may be up to **\$51,575**. Of course, the biggest challenge continues to be the integration of software and resolving incompatibility issues between sources.

SECTION B: PUBLIC EDUCATION AND OUTREACH

Through partnerships with the Piedmont Triad Water Quality Partnership, Stormwater Smart Program, City of Archdale Creekside Park, and local schools, public education and outreach continue to be ever present and typically addresses a minimum of four categories. Recognizing the most prolific pollutant in the city is sediment transport, the sediment and erosion control program is an integral part of the stormwater management. Information concerning the program is provided on the dedicated section of the website but the most significant part of the dissemination of information comes from one on one discussions with the citizens of Archdale. The Stormwater Program Manager spends considerable time one on one describing introductions of pollutants into our water system as violations of the Clean Water Act of 1972 and the consequences of knowingly violating the Environmental Protection Agency guidance. Since inception, **1,145** permits have been issued with an estimated total of **468.13** acres disturbed (an average of **0.46** acres per site).

SECTION C: PUBLIC INVOLVEMENT AND PARTICIPATION

The Stormwater Advisory Board which meets a minimum of four times a year with the ability to call special meetings continues to address changes associated with the Environmental Protection Agency guidance and the State of North Carolina guidance. The Bush Hill Hometown Jamboree and National Night Out acted as our largest gathering each year to provide information. With a minimum reported interaction of **1,500** people per event, we estimate that we annually reinforce the importance of the

ACE Integrated Stormwater Management Plan to approximate total of **95.70** percent of our population. Flyers are available all year round in the main lobby of City Hall, the Stormwater Program Managers' office, and other locations as the opportunity presents itself. The Stormwater Program Manager maintains his personal cell phone as a Hotline for citizens in addition to the Customer Service number. Because the City of Archdale is a relatively small municipality, all activities related to environmental stewardship can always be associated with an overall improvement of the system. Over the years, through education and outreach, citizens call in when they notice inconsistencies in conflict with the ACE Integrated Stormwater Management Plan and the overall charge of the Clean Water Act of 1972.

SECTION D: ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

Our best quantitative measure to date is no recorded repeat calls associated with the same act and our most reported IDDE offense is concentrated flow from downspout gutters directed perpendicular to a lot line. Since inception, we take advantage of dry weather during daily rounds to identify sources of flow as well as reports from citizens. The City of Archdale continues to foster good communication between upper management as related to the pollution prevention and environmental stewardship.

SECTION E: CONSTRUCTION SITE RUNOFF CONTROLS

With the rollout of the new website portal on June 28, 2020, contractor training continues and is being utilized for Sections A – G. With **26** permits issued for the year (54 units), activity through the portal totalled **441** in the categories of the Six Minimum Measures with **429** closed and an overall closure rate of **7.2** days

SECTION F: POST-CONSTRUCTION SITE RUNOFF CONTROLS

As indicated earlier in the report, the delegation of the Sediment and Erosion Control is an integral part of our ACE Integrated Stormwater Management Plan. The clear advantage we have is that sites are seen a minimum of five days a week during daily rounds. A current map of the **31** Stormwater Control Measures in the city shows an even distribution along the main corridor of U. S. 311 South – North and South Main Street in Archdale, North Carolina. Based on this current assessment **223.48** acres or **4.03%** of the jurisdictional area are designated as SCM's.

SECTION G: POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Public Works Department coordinate regularly with the Stormwater Program Manager. However, typical sources of pollutants that exists for most municipalities do not exist for Archdale. We do not have a Vehicle Fleet Maintenance Facility, Transfer Station, Waste Treatment Facility, or Water Treatment Facility. These types of facilities are outsourced through contracts. We do however, educate personnel on through Human Resources on Personal Protection Equipment and MSDS Uses of Chemicals and storage on site when applicable.

SECTION H: TOTAL MAXIMUM DAILY LOADS (TMDLs)

No current TMDL exist currently. Currently, there are no waterways in the corporate city limits on the impaired waters list. As indicated above, Third Party inspections is a strategy designed to to expand the efficiency of the program

SECTION I: ELECTRONIC REPORTING OF REPORTS [G.S. 143-215.1]

Templates continue to be modified for reporting as guidelines continue to change in accordance with Section A through Section I of our current permit. All raw data is contained on the servers of the City of Archdale as maintained by the Information Technology Manager.

SECTION J: STORMWATER MANAGEMENT PLAN ANNUAL AUDIT RESULTS

BMP #	Description of Best Management Practice	Metric
1	Performance Evaluation	Yes
2	Permit Renewal Application	Yes
3	Individual Interaction	52
4	Maintain Website	Yes
5	24/7 Cell Phone (336) 434-7344 Direct Hotline	Yes
6	Stormwater Advisory board	Yes
7	Annual Litter Sweep	Yes
8	MS4 Map	Yes
9	IDDE Ordinance Review	Yes
10	Written IDDE Plan	Yes
11	Maintaining IDDE Website Reporting	Yes
12	IDDE Staff Training – Bi-Annual	3/12/2023
13	IDDE Resident Reporting	Yes
14	Municipal Staff Training	3/12/2023
15	Waste Management	Yes
16	Standard Reporting	See Above
17	Technical Review Committee	Yes
18	Plan Review and Approval	Yes
19	Inspections and Enforcement	Yes
20	Fecal Coliform Reduction	Yes
21	Municipal Facilities Operation and Maintenance	3
22	Spill Response Training	Yes
23	Annual written operations plan adjustments	Yes
24	Maintaining Written Operation Binders	Yes
25	Facilitate Herbicide Training and Licenses	Yes
26	Vehicle Equipment and Cleaning	Yes
27	Pavement Management Program	Yes