



Tennessee Department of Environment and Conservation
 Division of Water Resources
 William R. Snodgrass Tennessee Tower,
 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
 1-888-891-8332 (TDEC)

Phase II Small Municipal Separate Storm Sewer System (MS4) Annual Report

1. MS4 Information

Name of MS4: City of Alcoa		MS4 Permit Number: TNS075132
Contact Person: Roger Fields		Email Address: rfields@cityofalcoa-tn.gov
Telephone: (865) 380-4800		MS4 Program Web Address: http://www.cityofalcoa-tn.gov/291/Stormwater-Management-Program
Mailing Address: 725 Universal Street		
City: Alcoa	State: TN	ZIP code: 37701

What is the current population of your MS4? 10,978 according to the US Census Web page

What is the reporting period for this annual report? July 1 2020 to June 30 2021

2. Discharges to Waterbodies with Unavailable Parameters or Exceptional Tennessee Waters (Section 3.1)

- A. Does your MS4 discharge into waters with unavailable parameters (previously referred to as impaired) for pathogens, nutrients, siltation or other parameters related to stormwater runoff from urbanized areas as listed on TN's most current 303(d) list and/or according to the on-line state GIS mapping tool (tdeconline.tn.gov/dwr/)? If yes, attach a list. Yes No
- B. Are there established and approved TMDLs (<http://www.tn.gov/environment/article/wrws-tennessees-total-maximum-daily-load-tmdl-program>) with waste load allocations for MS4 discharges in your jurisdiction? If yes, attach a list. Yes No
- C. Does your MS4 discharge to any Exceptional Tennessee Waters (ETWs - http://environment-online.tn.gov:8080/pls/enf_reports/f?p=9034:34304:4880790061142)? If yes, attach a list. Yes No
- D. Are you implementing specific Best Management Practices (BMPs) to control pollutant discharges to waterbodies with unavailable parameters or ETWs? If yes, describe the specific practices: _____. Yes No

3. Public Education/Outreach and Involvement/Participation (Sections 4.2.1 and 4.2.2)

- A. Have you developed a Public Information and Education plan (PIE)? Yes No

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- B. Is your public education program targeting specific pollutants and sources, such as Hot Spots? If yes, describe the specific pollutants and/or sources targeted by your public education program: The City of Alcoa continued the Hopspot mailer campaign this year with a single mass mailing that went out on 2/23/2021. The mailer was sent out to businesses in the automotive sales/repair industry, restaurants, car washes, and shopping locations with more than 400 parking spaces or 120,000 s.f. of impervious area. The mailer included a letter explaining what a hotspot is, and the Hotspot Flyer. The City of Alcoa Stormwater web site includes educational videos that address sources of stormwater pollution as well. The Blount County Soils Conservation district, Keep Blount Beautiful, and Little River Watershed Association, have created a Blount County Watershed Alliance that includes the MS4's in Blount County as well as other stake holders. This alliance is in it's infancy, but hopefully it will lead to additional Hotspot education oppertunities. (see attachment B) Yes No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: https://www.cityofalcoa-tn.gov/291/Stormwater-Management-Program Yes No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: The City of Alcoa has 12 monthly City Council meetings that are advertised in the local news paper and on the city website. Keep Blount Beautiful advertises their city sponsored events in the local news paper, their news letter, and on their social media and web site. Some events were canceled or postponed due to the pandemic. The City of Alcoa participates in the TNSA social media campaign as well.
- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: Once again the Covid 19 pandemic interrupted the annual Water Fest event that Keep Blount Beautiful hosts and the local MS4's (Alcoa, Blount County, and Maryville) participate in. The intention is to hold the event in September 2021, but that is subject to change based on the pandemic. The City of Alcoa added two new informational signs for the rain gardens that were installed at the duck pond (see attached photos). On March 22, 2021 The City was able to use the rain gardens to educate the 2nd grade class on the benefits of the rain gardens and have general discussions about stormwater. Home owners guides were also passed out to the 160 students. The City of Alcoa did participate in the TNSA Social Media Campaign that included Facebook and Instagram, and reach 426,382 users in the City of Alcoa's region. (See attachment C)
- F. Summarize any specific successful outcome(s) (e.g., citizen involvement, pollutant reduction, water quality improvement, etc.) fully or partially attributable to your public education and participation program during this reporting period: Keep Blount Beautiful was able to host 7 clean up events during this reporting period. These events involved 90 volunteers and removed 206 bags of trash and 54 tires. (See attachment C)
4. Illicit Discharge Detection and Elimination (Section 4.2.3)
- A. Have you developed and do you continue to update a storm sewer system map that shows the location of system outfalls where the municipal storm sewer system discharges into waters of the state or conveyances owned or operated by another MS4? Yes No
- B. If yes, does the map include inputs into the storm sewer collection system, such as the inlets, catch basins, drop structures or other defined contributing points to the sewershed of that outfall, and general direction of stormwater flow? Yes No
- C. How many outfalls have you identified in your storm sewer system? 72
- D. Do you have an ordinance, or other regulatory mechanism, that prohibits non-stormwater discharges into your storm sewer system? Yes No

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- E. Have you implemented a plan to detect, identify and eliminate non-stormwater discharges, including illegal disposal, throughout the storm sewer system? If yes, provide a summary: The City of Alcoa has a Dry Screening Standard Operation Procedure, Enforcement Response Plan (ERP), and Stormwater Management Ordinance that address illicit discharges. The inspections for the 72 outfalls are split up between Pistol Creek outfalls and the outfalls along all the other 303d listed streams in the cities MS4 jurisdiction. The outfall inspections are rotated annually. (See attachment D) Yes No
- F. How many illicit discharge related complaints were received this reporting period? 4
- G. How many illicit discharge investigations were performed this reporting period? 7
- H. Of those investigations performed, how many resulted in valid illicit discharges that were addressed and/or eliminated? 7
5. Construction Site Stormwater Runoff Pollutant Control (Section 4.2.4)
- A. Do you have an ordinance or other regulatory mechanism requiring:
- Construction site operators to implement appropriate erosion prevention and sediment control BMPs consistent with those described in the TDEC EPSC Handbook? Yes No
- Construction site operators to control wastes such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste? Yes No
- Design storm and special conditions for unavailable parameters waters or Exceptional Tennessee Waters consistent with those of the current Tennessee Construction General Permit (TNR100000)? Yes No
- B. Do you have specific procedures for construction site plan (including erosion prevention and sediment BMPs) review and approval? Yes No
- C. Do you have sanctions to enforce compliance? Yes No
- D. Do you hold pre-construction meetings with operators of priority construction activities and inspect priority construction sites at least monthly? Yes No
- E. How many construction sites disturbing at least one acre or greater were active in your jurisdiction this reporting period? 12
- F. How many active priority and non-priority construction sites were inspected this reporting period? 12
- G. How many construction related complaints were received this reporting period? 3
6. Permanent Stormwater Management at New Development and Redevelopment Projects (Section 4.2.5)
- A. Do you have a regulatory mechanism (e.g. ordinance) requiring permanent stormwater pollutant removal for development and redevelopment projects? If no, have you submitted an Implementation Plan to the Division? Yes No
 Yes No
- B. Do you have an ordinance or other regulatory mechanism requiring:
- Site plan review and approval of new and re-development projects? Yes No
- A process to ensure stormwater control measures (SCMs) are properly installed and maintained? Yes No

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Permanent water quality riparian buffers? If yes, specify requirements: See Section 16-507 of the Stormwater Ordinance, found in Attachment D. Yes No

- C. What is the threshold for development and redevelopment project plans plan review (e.g., all projects, projects disturbing greater than one acre, etc.)? All projects resulting in one-tenth (0.1) of an acre or greater requires a grading permit. A sketch plan is required for land disturbing activity of greater than on-tenth (0.1) of an acre but less than one (1) acre. A full EPSC plan is required for land disturbing operations of one (1) acre or greater and all non-residential developments or redevelopments of any size. See Section 16-504 of the Stormwater Ordinance that is included in Attachment D.
- D. How many development and redevelopment project plans were reviewed for this reporting period? 12
- E. How many development and redevelopment project plans were approved? 12
- F. How many permanent stormwater related complaints were received this reporting period? 0
- G. How many enforcement actions were taken to address improper installation or maintenance? 0
- H. Do you have a system to inventory and track the status of all public and private SCMs installed on development and redevelopment projects? Yes No
- I. Does your program include an off-site stormwater mitigation or payment into public stormwater fund? If yes, specify. Yes No

7. Stormwater Management for Municipal Operations (Section 4.2.6)

- A. As applicable, have stormwater related operation and maintenance plans that include information related to maintenance activities, schedules and the proper disposal of waste from structural and non-structural stormwater controls been developed and implemented at the following municipal operations:
- Streets, roads, highways? Yes No
- Municipal parking lots? Yes No
- Maintenance and storage yards? Yes No
- Fleet or maintenance shops with outdoor storage areas? Yes No
- Salt and storage locations? Yes No
- Snow disposal areas? Yes No
- Waste disposal, storage, and transfer stations? Yes No
- B. Do you have a training program for employees responsible for municipal operations at facilities within the jurisdiction that handle, generate and/or store materials which constitute a potential pollutant of concern for MS4s? Yes No
- If yes, are new applicable employees trained within six months, and existing applicable employees trained and/or retrained within the permit term? Yes No

8. Reviewing and Updating Stormwater Management Programs (Section 4.4)

- A. Describe any revisions to your program implemented during this reporting period including but not limited to:

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Modifications or replacement of an ineffective activity/control measure. No modifications or replacements of activities/control measure were made during this reporting period.

Changes to the program as required by the division to satisfy permit requirements. The City of Alcoa Public Works and Engineering Staff made changes in the plans review check list to include; all construction activity greater than 1 acre or less than 1 acre and part of a larger common plan of development that will disturb greater than 1 acre, and discharge to ETWs or waters of the state recognized as having unavailable parameters, as priority construction activity. Staff made revisions to the plans review check list to include procedures and review of technical standards consistent with the CGP for buffers, design storm, and basin drainage requirements. Staff addressed good house keeping items (vehicle/equipment wash area, proper storage of barrels). The barrels are now kept in a totally inclosed building and plans have been made to demo the existing pad at the wash area and replaced it with a new one.

Information (e.g. additional acreage, outfalls, BMPs) on newly annexed areas and any resulting updates to your program. The City of Alcoa annexed 51.95 acres during this reporting period. The annexation along Middlesettlements road will add a section of Laurel Bank Branch to the cities inventory of 303d listed streams. (See attachment E).

- B. In preparation for this annual report, have you performed an overall assessment of your stormwater management program effectiveness? If yes, summarize the assessment results, and any modifications and improvements scheduled to be implemented in the next reporting period. The City of Alcoa is planning to have the Stormwater Ordinance updated in the upcoming year, to address needed updates to the post construction maintenance requirements for SCM's, to update language for priority construction activity as recommended in the MS4 audit conducted earlier this year, and to generally clean up language that has become dated since the last update of the Stormwater Ordinance. The City of Alcoa will continue to look for oppertunities for increased Hotspot training and public outreach. The stream monitoring will have to be updated to include a short section of Laurel Bank Branch that runs through a parcel of land that has been annexed into the city.

Yes

No

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9. Enforcement Response Plan (Section 4.5)

- A. Have you implemented an enforcement response plan that includes progressive enforcement actions to address non-compliance, and allows the maximum penalties specified in TCA 68-221-1106? If no, explain. _____ Yes No
- B. As applicable, identify which of the following types of enforcement actions (or their equivalent) were used during this reporting period; indicate the number of actions, the minimum measure (e.g., construction, illicit discharge, permanent stormwater management), and note those for which you do not have authority:

<u>Action</u>	<u>Construction</u>	<u>Permanent Stormwater</u>	<u>Illicit Discharge</u>	<u>In Your ERP?</u>	
Verbal warnings	# <u>4</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Written notices	# <u>3</u>	# <u>0</u>	# <u>4</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Citations with administrative penalties	# <u>2</u>	# <u>0</u>	# <u>2</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Stop work orders	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Withholding of plan approvals or other authorizations	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Additional Measures	# <u>0</u>	# <u>0</u>	# <u>0</u>	Describe: _____	

- C. Do you track instances of non-compliance and related enforcement documentation? Yes No
- D. What were the most common types of non-compliance instances documented during this reporting period? Construction discharges.

10. Monitoring, Recordkeeping and reporting (Section 5)

- A. Summarize any analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. None to report
- B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. None to report
- C. If applicable, are monitoring records for activities performed during this reporting period submitted with this report. Yes No

11. Certification


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This report must be signed by a ranking elected official or by a duly authorized representative of that person. See signatory requirements in sub-part 6.7.2 of the permit.

"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."

Odis C. Abbott, Jr., Mayor

Printed Name and Title



Signature

Sept 15, 2021

Date

Annual reports must be submitted by September 30 of each calendar year (Section 5.4) to the appropriate Environmental Field Office (EFO), identified in the table below:

EFO	Street Address	City	Zip Code	Telephone
Chattanooga	1301 Riverfront Pkwy, Suite 206	Chattanooga	37402	(423) 634-5745
Columbia	1421 Hampshire Pike	Columbia	38401	(931) 380-3371
Cookeville	1221 South Willow Ave.	Cookeville	38506	(931) 520-6688
Jackson	1625 Hollywood Drive	Jackson	38305	(731) 512-1300
Johnson City	2305 Silverdale Road	Johnson City	37601	(423) 854-5400
Knoxville	3711 Middlebrook Pike	Knoxville	37921	(865) 594-6035
Memphis	8383 Wolf Lake Drive	Bartlett	38133	(901) 371-3000
Nashville	711 R S Gass Boulevard	Nashville	37216	(615) 687-7000