

# NPDES MS4 Annual Report

version 1.8

(Submission #: HQ5-5MN4-4KM8R, version 1)

Digitally signed by:  
Entrust Certification Authority - L1K  
Date: 2024.09.26 06:57:08 -05:00  
Reason: Copy Of Record  
Location: Nashville, Tennessee



## Details

---

**Submission ID** HQ5-5MN4-4KM8R

**MS4 Owner Name** City of Alcoa

## Form Input

---

### General Information

**Permit Number**

TNS075132

**MS4 Owner/Operator (e.g. City of ...)**

City of Alcoa

**County**

Blount

**Reporting Period**

Per subpart 5.1

- a. The Annual Report shall cover the period beginning on July 1st and ending on June 30th;
- b. The Annual Report shall be due on September 30th after the end of the reporting period.

**Reporting Period Start Date**

07/01/2023

**Reporting Period End Date**

06/30/2024

**MS4 Population At NOI Submittal**

10,001 = Population = 25,000

**Name and contact information of MS4 Responsible Authority (e.g. Mayor ...)**

**Prefix**

Mr.

**First Name**

Bruce

**Last Name**

Applegate, Jr.

**Title**

City Manager

**Company Name**

City of Alcoa

**Phone Type**

Business

**Number**

865-380-4795

**Extension**

**Email**

bapplegate@cityofalcoa-tn.gov

**Address**

223 Associates Blvd.

Alcoa, TN 37701

**Designated MS4 Stormwater Management Program Contact**

**Prefix**

Mr.

**First Name      Last Name**

Roger              Fields

**Title**

Stormwater Coordinator

**Company Name**

City of Alcoa

**Phone Type      Number              Extension**

Business          865-380-4800      4888

**Email**

rfields@cityofalcoa-tn.gov

**Address**

725 UNIVERSAL ST  
ALCOA, TN 37701

**MCM 1: Public Education**

Below report on the educational activities completed during the reporting year. Delete unused rows (click X at end of row). Add rows (add row button on bottom of table) to report add activities.

**Provide the number of activities completed during the reporting year for the Public (Subpart 4.2.1.1. of the permit).**

2

**Provide the number of activities completed during the reporting year for the Engineering and Development Community (Subpart 4.2.1.2. of the permit).**

1

In the Permit, the question below is phrased "How many employees (that are new to the MS4 or new to the job category) have NOT been educated in accordance with the in accordance with the permit sub-part 4.2.1.3 within 6 months?" In order to make this calculation, count how many employees are new to the MS4 or their Job Category. Subtract the number of employees that were trained in accordance with the PIE plan within 6 months. That result is what is reported in this field. If no employees with applicable job categories/responsibilities hired in this reporting cycle, enter 0.

**For new employees: provide the total number of employees NOT educated in accordance with the PIE plan within 6 months?**

0

**For existing employees: provide the total number of employees NOT educated in accordance with the PIE plan within the permit term.**

0

A population of 10,001 = Population = 25,000 at NOI submittal was selected in the General Information Section. Per Subpart 4.2.1.1. the MS4 is required to conduct one (1) activity during the reporting year addressing each of the four (4) management measures for the public. A single activity may address multiple management measures.

You may need to use the scroll bars to view the whole table.

To Add a Row - Click Add Row near the bottom right of the table

To Delete a Row - Click the "X" at the far right end of the row.

**Column Descriptions**

Target Audience (This column is fixed and cannot be changed.)

Activity Description: (Provide details as to the specific activity that was conducted.)

Management Measure: Impacts on Water Quality (Select Yes if the activity listed in this row addressed the 4.2.1.1.a.General awareness of the impacts on water quality.)

Management Measure: SCM/BMP Maintenance (Select Yes if the activity listed in this row addressed the 4.2.1.1.b. Awareness of the importance of maintenance activities for operators of permanent Best Management Practices (BMPs)/Stormwater Control Measures (SCMs).)

Management Measure: Storage, Use, Disposal of Fluids (Select Yes if the activity listed in this row addressed the 4.2.1.1.c. Awareness of the proper storage, use, and disposal of pesticides, herbicides, fertilizers oil and other automotive-related

fluids.)

Management Measure: Illicit Discharges (Select Yes if the activity listed in this row addressed the 4.2.1.1.d. Awareness of identifying and reporting procedures for illicit connections/discharges, sanitary sewer seepage, spills, etc.)

Date of Activity (Enter the date the activity took place. If the activity took place across multiple days enter the Date of the first day of the activity.)

Specifically Targeted Audience (This column is used to provide more details as to the audience the activity was targeting e.g. school age children, Homeowners with SCMs) A broad based event such as tabling at a festival may list general public as the specifically targeted audience.

# of Audience (Enter the approximate number of individuals that were reached with this activity.)

Sponsored Activities (Identify if the event sponsored monetarily e.g. money or as a donation in kind e.g. goods or services by the MS4 program. If it was not a sponsored activity, leave N/A in the cell.)

**Provide the status of your MS4 program's public education and outreach activities for the Public audience during the reporting period.**

Target Audience	Activity Description	Management Measure: Impacts on Water Quality	Management Measure: SCM/BMP Maintenance	Management Measure: Storage, Use, Disposal of Fluids	Management Measure: Illicit Discharges	Date of Activity	Specifically Targeted Audience	# of Audience	Sponsored Activities
Public	City of Alcoa Stormwater web page	Yes	Yes	Yes	Yes	07/01/2023	General Public	699	N/A
Public	TNSA Social Media	Yes	Yes	Yes	Yes	07/01/2023	General Public	452997	Monetary

A population of 10,001 = Population = 25,000 at NOI submittal was selected in the General Information Section. Per Subpart 4.2.1.2. the MS4 is required to conduct two (2) activities during the permit term addressing each of the two (2) management measures for the Engineering and Development Community. A single activity may address multiple management measures.

You may need to use the scroll bars to view the whole table.

To Add a Row - Click Add Row near the bottom right of the table

To Delete a Row - Click the "X" at the far right end of the row.

**Column Descriptions**

Target Audience (This column is fixed and cannot be changed.)

Activity Description: (Provide details as to the specific activity that was conducted.)

Management Measure: Long Term Water Quality Impacts (Select Yes if the activity listed in this row addressed the 4.2.1.2.a Awareness of the stormwater ordinances, regulations, and guidance materials related to long-term water quality impacts.)

Management Measure: Construction Water Quality Impacts (Select Yes if the activity listed in this row addressed the 4.2.1.2.b. Awareness of stormwater ordinances, regulations, and guidance materials related to construction phase water quality impacts.)

Date of Activity (Enter the date the activity took place. If the activity took place across multiple days enter the Date of the first day of the activity.)

Specifically Targeted Audience (This column is used to provide more details as to the audience the activity was targeting e.g. restaurants, Engineers, Developers ) A broad based event such as tabling at a local trade show may list commercial and development community as the specifically targeted audience.

# of Audience (Enter the approximate number of individuals that were reached with this activity.)

**Provide the status of your MS4 program's public education and outreach activities for the Engineering and Development Community during the reporting period.**

Target Audience	Activity Description	Management Measure: Long Term Water Quality Impacts	Management Measure: Construction Water Quality Impacts	Date of Activity	Specifically Targeted Audience	# of Audience
Engineering and Development Community	City of Alcoa Stormwater Web Page	Yes	Yes	07/01/2023	Engineering and Development Community	699

**Supporting Documentation for Activities described in this section.**

- [Alcoa, TN - Stormwater Management Analytics Overview.pdf - 07/23/2024 09:59 AM](#)
- [Stormwater Management Document Modification Dates.pdf - 07/23/2024 09:59 AM](#)
- [TNSA Invoice 2023-2024.pdf - 07/24/2024 11:34 AM](#)
- [2023-24\\_SMC\\_Annual\\_Report.pdf - 07/24/2024 11:35 AM](#)

**Comment**

Most of the information was on the web page from July 1, 2023 with updated or addition information being added on April 6, 2024

**Notes:**

NONE PROVIDED

**MCM 2: Public Involvement And Participation**

Below report on the involvement/participation activities completed during the reporting year. Delete unused rows (click X at end of row). Add rows (add row button on bottom of table) to report add activities.

**Is your Stormwater Management Program Plan documentation available online?**

Yes

**Provide the web address for the Stormwater Management Program plan documentation**

<https://www.cityofalcoa-tn.gov/291/Stormwater-Management-Program>

**Was the MS4 program documentation formally placed on public notice during the reporting year?**

No

Prior to the Second annual report due date the MS4 is required to complete the formal public notice process for the entire Stormwater Management Program including response to comments. A copy of the public notice and response to comments shall be provided with the appropriate Annual Report reporting year. See subpart 4.2.2

Subpart 4.2.2. requires the following in the annual report

Detail applicable changes as directed in subpart 4.4.1

This requirement will be located in the Program Modifications Section

**Is information for all construction site projects accessible to the public?**

Yes

**Number of comments received from the public on construction site projects.**

0

**Are all comments from the public on construction site projects considered?**

Yes

**Number of reports (or complaints) during the reporting period received from the public via public reporting system (IDDE reports)?**

1

**Provide the number of activities completed during the reporting year for the General Public (Subpart 4.2.2.1. of the permit).**

3

**Provide the number of activities completed during the reporting year for the Commercial and Development Community (Subpart 4.2.2.2. of the permit).**

22

A population of 10,001 = Population = 25,000 at NOI submittal was selected in the General Information Section. Per Subpart 4.2.2.1. the MS4 is required to conduct one (1) activity during the reporting year addressing each of the four (4) management measures for the general public. A single activity may address multiple management measures.

You may need to use the scroll bars to view the whole table.

To Add a Row - Click Add Row near the bottom right of the table

To Delete a Row - Click the "X" at the far right end of the row.

**Column Descriptions**

Target Audience (This column is fixed and cannot be changed.)

Activity Description: (Provide details as to the specific activity that was conducted.)

Management Measure: Pollution Prevention (Select Yes if the activity listed in this row addressed the 4.2.2.1.a Pollution Prevention Management Measure.)

Management Measure: Impacts on Water Quality (Select Yes if the activity listed in this row addressed the 4.2.2.1.b. Impacts on water quality or local stormwater management issues.)

Management Measure: Storage, Use, Disposal of Fluids (Select Yes if the activity listed in this row addressed the 4.2.2.1.c. Storage, use, and disposal of household hazardous waste, automotive related fluids, pesticides, herbicides, and fertilizers use.)

Management Measure: Illicit Discharges (Select Yes if the activity listed in this row addressed the 4.2.2.1.d. Identifying and reporting procedures for illicit connections/discharges, sanitary sewer seepage, spills, etc.)

Date of Activity (Enter the date the activity took place. If the activity took place across multiple days enter the Date of the first day of the activity.)

Specifically Targeted Audience (This column is used to provide more details as to the audience the activity was targeting e.g. school age children, Homeowners with SCMs) A broad based event such as tabling at a festival may list general public as the specifically targeted audience.

# of Audience (Enter the approximate number of individuals that were reached with this activity.)

Sponsored Activities (Identify if the event sponsored monetarily e.g. money or as a donation in kind e.g. goods or services by the MS4 program. If it was not a sponsored activity, leave N/A in the cell.)

**Provide the status of your MS4 program's public involvement/participation activities for the General Public audiences during the reporting period.**

Target Audience	Activity Description	Management Measure: Pollution Prevention	Management Measure: Impacts on Water Quality	Management Measure: Storage, Use, Disposal of Fluids	Management Measure: Illicit Discharges	Date of Activity	Specifically Targeted Audience	# of Audience	Sponsored Activities
General Public	WaterFest	Yes	Yes	Yes	Yes	05/02/2024	3rd graders from local schools	87	Monetary
General Public	Pistol Creek Cleanup	Yes	Yes	Yes	Yes	05/18/2024	General Public	18	Monetary

A population of 10,001 = Population = 25,000 at NOI submittal was selected in the General Information Section. Per Subpart 4.2.2.2. the MS4 is required to conduct two (2) activities during the permit term addressing each of the two (2) management measures for the Commercial and Development Community. A single activity may address multiple management measures.

You may need to use the scroll bars to view the whole table.

To Add a Row - Click Add Row near the bottom right of the table

To Delete a Row - Click the "X" at the far right end of the row.

**Column Descriptions**

Target Audience (This column is fixed and cannot be changed.)

Activity Description: (Provide details as to the specific activity that was conducted.)

Management Measure: Pollution Prevention (Select Yes if the activity listed in this row addressed the 4.2.2.2.a Pollution Prevention Management Measure.)

Management Measure: Impacts on Water Quality (Select Yes if the activity listed in this row addressed the 4.2.2.2.b. Impacts on water quality or local stormwater management issues.)

Date of Activity (Enter the date the activity took place. If the activity took place across multiple days enter the Date of the first day of the activity.)

Specifically Targeted Audience (This column is used to provide more details as to the audience the activity was targeting e.g. restaurants, Engineers, Developers ) A broad based event such as tabling at a local trade show may list commercial and development community as the specifically targeted audience.

# of Audience (Enter the approximate number of individuals that were reached with this activity.)

**Provide the status of your MS4 program's public involvement/participation activities for the Commercial and Development Community during the reporting period.**

Target Audience	Activity Description	Management Measure: Pollution Prevention	Management Measure: Impacts on Water Quality	Date of Activity	Specifically Targeted Audience	# of Audience
Commercial and Development Community	Presubmittal Meeting-Valvoline	Yes	Yes	01/10/2023	Commercial Developer and Engineering	2
Commercial and Development Community	Presubmittal meeting-MKAA Parking Lot C	Yes	Yes	02/20/2024	Commercial Developer and Engineering	1
Commercial and Development Community	Presubmittal meeting-Calyton N. Entry	Yes	Yes	02/20/2024	Commercial Developer and Engineering	1
Commercial and Development Community	Presubmittal meeting-Blackhorse Brewery Side with Townhomes	Yes	Yes	02/20/2024	Commercial Developer and Engineering	1
Commercial and Development Community	Presubmittal meeting-Chop House	Yes	Yes	05/16/2024	Commercial Developer and Engineering	5
Commercial and Development Community	Presubmittal meeting-Singleton Station	Yes	Yes	10/23/2023	Commercial Developer and Engineering	2
Commercial and Development Community	Presubmittal meeting-Tesla charging station	Yes	Yes	11/21/2023	Commercial Developer and Engineering	2
Commercial and Development Community	Presubmittal meeting - Topside Commercial	Yes	Yes	12/20/2023	Commercial Developer and Engineering	5
Commercial and Development Community	Pre-submittal meeting - Over Easy Restaurant	Yes	Yes	10/25/2023	Commercial Developer and Engineering	4
Commercial and Development Community	Pre-submittal meeting - Springbrook Farm lots 4R2-1 and 4R2-2	Yes	Yes	12/05/2023	Commercial Developer and Engineering	3
Commercial and Development Community	Pre-submittal meeting - McCammon Townhomes	Yes	Yes	08/22/2023	Commercial Developer and Engineering	2
Commercial and Development Community	Pre-submittal meeting - Weigels Topside Road	Yes	Yes	10/13/2023	Commercial Developer and Engineering	5
Commercial and Development Community	Pre-submittal meeting-Topside Rd Convenience Store	Yes	Yes	11/21/2023	Commercial Developer and Engineering	3
Commercial and Development Community	Pre-submittal meeting-Lindsay St. Town homes	Yes	Yes	02/20/2024	Commercial Developer and Engineering	2
Commercial and Development Community	Pre-submittal meeting - Hickory Construction WFD Bldg	Yes	Yes	02/27/2024	Commercial Developer and Engineering	2
Commercial and Development Community	Pre Construction meeting-Twin City Storage	Yes	Yes	10/20/2023	Commercial Developer and Engineering	7
Commercial and Development Community	Pre Construction meeting-Avalon Townhomes	Yes	Yes	10/27/2023	Commercial Developer/Contractor and Engineering	2
Commercial and Development Community	Pre Construction meeting-Vose School Redevelopment	Yes	Yes	11/17/2023	Commercial Developer/Contractor and Engineering	2
Commercial and Development Community	Pre Construction meeting-ETCH Building Addition	Yes	Yes	12/15/2023	Commercial Developer/Contractor and Engineering	3
Commercial and Development Community	Pre Construction meeting-Eagleton Borrow	Yes	Yes	05/14/2024	Commercial Developer/Contractor and Engineering	9
Commercial and Development Community	Pre Construction meeting-MKAA Lot C	Yes	Yes	05/14/2024	Commercial Developer/Contractor and Engineering	2

Target Audience	Activity Description	Management Measure: Pollution Prevention	Management Measure: Impacts on Water Quality	Date of Activity	Specifically Targeted Audience	# of Audience
Commercial and Development Community	Pre Construction meeting- Store Space and Self Storage	Yes	Yes	05/21/2024	Commercial Developer/Contractor and Engineering	8

**Supporting Documentation for Activities described in this section.**

- [KBB Invoice 2023-2024.pdf - 07/24/2024 11:26 AM](#)
- [2023\\_2024 Stormwater Education.pdf - 07/24/2024 11:26 AM](#)
- [Notice of Public Hearings \(3\) - 8.13.24 BOC Mtg.pdf - 07/24/2024 11:44 AM](#)
- [2024 Pistol Creek Clean Up \(3\).zip - 07/31/2024 02:10 PM](#)
- [Public notice for public input. 8-15-2024.pdf - 09/20/2024 09:07 AM](#)

**Comment**

The City of Alcoa had a public hearing on Tuesday, August 13, 2024 regarding amendments to the Stormwater Management Ordinance. A legal notice was posted for public input on the developing, implementing, and updating the Stormwater Management Program from August 15 - September 15, 2024. This Notice directed the public to the cities webpage where all the details of the program were available for review and comment. The city did not receive any comments during this time. The legal notices are posted above.

**Notes:**

NONE PROVIDED

**MCM 3: Illicit Discharge Detection & Elimination (IDDE)**

**Is the storm sewer map available through Spatial Rest Services?**

Yes

**Provide location for Spatial Rest Service for Map Layer(s)**

[https://coa.blountgis.org/server/rest/services/Cityworks/Storm\\_WGS/MapServer](https://coa.blountgis.org/server/rest/services/Cityworks/Storm_WGS/MapServer)

**The number of potential illicit discharges reported by the public.**

0

**The number of potential illicit discharges reported by internal personnel.**

2

**Total number of potential Illicit discharges reported (from any source) that are under investigation at the time of the annual report.**

0

**Were all potential illicit discharges investigated within 7 days of receipt?**

Yes

**Number of identified illicit discharges**

2

**Were all initial enforcement actions on confirmed illicit discharges taken within seven (7) calendar days of the investigation?**

Yes

**Number of corrective actions plans received for confirmed illicit discharges.**

1

**Were all corrective actions plans reviewed in accordance with established procedures?**

Yes

**Total number of non-stormwater discharges or flows investigated.**

0

**Significant Contributor of Pollutants to the MS4**

1.3.3.2. Non-stormwater Discharges

The permittee is authorized to discharge the following non-stormwater sources provided that the permittee has not determined these sources to be significant contributors of pollutants to the MS4:

- Water line flushing
- Landscape irrigation
- Diverted stream flows
- Rising ground waters
- Uncontaminated groundwater infiltration (Infiltration is defined as water other than wastewater that enters a sewer system, including sewer service connections and foundation drains, from the ground through such means as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from, inflow.)
- Uncontaminated pumped groundwater

- Discharges from potable water sources
- Foundation drains
- Air conditioning condensate
- Irrigation water
- Springs
- Water from crawl space pumps
- Footing drains
- Lawn watering
- Individual residential car washing
- Flows from riparian habitats and wetlands
- Dechlorinated swimming pool discharges
- Street wash water
- Discharges or flows from firefighting activities

Subpart 8.1 Definitions

Significant Contributor is defined as a source of pollutants where the volume, concentration, or mass of a pollutant in a stormwater discharge can cause or threaten to cause pollution, contamination, or nuisance that adversely impact human health or the environment and cause or contribute to a violation of any applicable water quality standards for receiving water.

**MCM 4: Construction Site Stormwater Runoff Pollutant Control**

For reporting construction activities in this section, count all activities e.g., projects, sites that were active during the reporting period. It is understood that activities will overlap multiple reporting years. For example: If a project plan is submitted and reviewed in reporting year 1, that plan review will go only on the report for that year. If that same project begins construction in reporting year 2, it would be included in the year 2 report for active construction activity, but not the year 1 report. If a construction activity is terminated in the beginning of a reporting year before the first inspection for that reporting year is required, that activity may be left off the count.

**Identify if the regulatory mechanisms for construction site runoff control have been updated to be consistent with the CGP?**  
In Effect

**Total number of active construction activities (or sites).**  
21

**Number of new development and redevelopment projects reviewed in accordance with established policies and procedures.**  
16

**Were all new development and redevelopment projects reviewed in accordance with the established policy and procedure?**  
Yes

**Number of active non-priority construction activities.**  
3

**Were all nonpriority active construction activities inspections conducted accordance with Stormwater Management Program.**  
Yes

**Number of active priority construction activities.**  
18

**Total number of active non-priority construction activities with incomplete inventory information.**  
0

**Did all Priority Construction Activities have Pre-Construction meetings?**  
Yes

**Were all priority Construction Activities inspected at least once per calendar month?**  
Yes

**MCM 5: Post Construction/ Permanent Stormwater Management**

**Has an offsite mitigation program or payment in lieu into a public stormwater fund been developed as outlined in subpart 4.2.5.3.?**  
No

**Did all of the projects approved meet the buffer requirements of subpart 4.2.5.4?**

Yes

**Does the Stormwater Management Program implement alternative buffer widths?**

Yes

**Number of projects approved during this reporting period with alternative width Buffer.**

0

**Date of the MS4's alternative buffer width procedures and criteria most recently approved by Division.**

03/12/2013

The 2009 scorecard can be found on TDEC's website.

[Water Quality Scorecard](#)

**Scorecard**

NONE PROVIDED

**Comment**

NONE PROVIDED

**Number of all new development and redevelopment projects reviewed.**

12

**Number of new development and redevelopment projects reviewed in accordance with the established policy and procedure.**

12

**Number of sites verified that 100% of SCMs are installed per design specifications in accordance with approved plan.**

7

**Were all SCMs verified to be installed per design specifications in accordance with approved plan within 90 days of installation?**

No

**Does the permittee have adequate legal authority as required by 4.2.5.7 for all SCMs installed?**

Yes

**Number of SCMs that have not been properly operated or maintained.**

0

**Number of public requests for SCM inventory.**

0

**Are all SCMs in the inventory tracking system?**

Yes

**Do all SCMs in the inventory tracking system have complete information?**

Yes

**SCM inventory tracking system information**

NONE PROVIDED

**Comment**

Currently the SCMs are being inspected by our inspectors at the time of CO and submittal of as-builts. There are times that this inspection is more than 90 days from installation. Beginning in September 2024 a separate inspection will be conducted at the time of installation for SCMs. The number of SCMs not properly operated or maintained is a zero for this year mainly because our inspection reporting begins in September of 2024.

**MCM 6: Pollution Prevention/Good Housekeeping For Municipal Operations**

**Number of applicable Municipal Operations and Facilities under subpart 4.2.6.2.**

9

**Do all applicable Municipal Operations and Facilities have a O&M Facility Plan?**

Yes

**Number Municipal Operations Facilities NOT inspected in accordance with the Stormwater Management Program in the previous 12 months.**

0

**Stormwater Management Program Modification**

**Have any municipal facilities covered under this permit been added during the reporting term?**

No

---

In the table below identify if any changes were made to your Stormwater Management Program during the reporting period.

For minor modifications that add, but neither subtract nor replace, components, controls, or requirements to the Stormwater Management Program provide a description of that modification. - See Subpart 4.4.1.1.a

For minor modifications that replace an ineffective or infeasible BMP, or SCM which is specifically identified in the Stormwater Management Program provide a description of the analysis of why the former BMP was ineffective or infeasible; Expectations on the effectiveness of the replacement BMP or SCM; and an analysis, if applicable, of why the replacement BMP or SCM will ensure the optimization of equipment use. a description of that modification. - See Subpart 4.4.1.1.e

For major modifications that subtract BMPs, SCMs, components, controls, or requirements of the Stormwater Management Program provide a description of the analysis of why the component was ineffective or infeasible; and detailed explanation of why, with the elimination of this component, the Stormwater Management Program will continue to achieve a reduction in pollutants to the MEP and shall not cause or contribute to violations of State water quality standards in the receiving stream. - See Subpart 4.4.1.2.a.

**Where any changes were made to the program elements during the reporting period?**

Program Elements	Changes	Modifications that Add Components	Replaced an Ineffective or Infeasible BMP or SCM	Subtracted BMP, SCM, Components, Controls etc.
MCM 1	Yes	The city has updated the PIE plan during the reporting period as part of the ordinance and manual updates for the new permit cycle. The city added IDDE posters located throughout the Service Center for employee awareness of different Illicit Discharges and the provided directions for reporting any that are found in the field. The city added a link to the CGP and the Utility Manual to the cities webpage as guidance material for the Engineering and Development Community.	NONE PROVIDED	NONE PROVIDED
MCM 2	Yes	The city added a poster board as a visual aid to a presentation for stream cleanups in the city. This presentation along with the poster addresses pollution prevention, everyday actions impacts on water quality, household hazardous waste use and disposal, and Illicit Discharge reporting to the general public involved with the stream cleanup. The city also added dialog in the resubmittal and preconstruction meetings notes that address pollution prevention and impacts on water quality or local stormwater management issues. The City has teamed up with the City of Maryville for a one time Site Designer Training to be conducted on September 24, 2024. The Cities website was updated to include all aspects of the Stormwater Management Program for year around access to the public.	NONE PROVIDED	NONE PROVIDED
MCM 3	No	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED
MCM 4	No	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED
MCM 5	Yes	NONE PROVIDED	The city of Alcoa contracted with a consultant to make the modifications in the Ordinance, Policies, Procedures and support tools to meet the requirements of Part 4.2.5 of the current small MS4 permit. The changes were completed by September 1, 2024 and advertised for public review/input in accordance with 4.4.12 of the current permit.	NONE PROVIDED
MCM 6	No	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED
QLP	N/A	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED
Enforcement	No	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED
Monitoring & Program Evaluation	Yes	Monitoring was completed during this reporting period.	NONE PROVIDED	NONE PROVIDED

**Other Program Changes not Identified above**  
NONE PROVIDED

**Summary Of Enforcement Actions**

Note: Non-traditional MS4s may not have legal authority to enforce one or more MS4 permit requirements. For example, a university campus regulated as a MS4 permittee or co-permittee may not have the legal authority to enforce MS4 permit requirements against another entity.

**Summary of Enforcement Actions Taken during the reporting year**

Action	IDDE	Construction	Permanent Stormwater/Post-Construction	Total
Verbal Warnings	3	15	0	18
Written Notice of Violation	0	2	0	2
Citations or Administrative Orders	0	0	0	0
Stop Work Orders	0	0	0	0
Withholding of Plan Approvals or Other Authorizations	0	0	0	0
Civil Penalties	0	0	0	0
Additional Measures	0	0	0	0
				Sum: 20

**Results Of Information Collected And Analyzed (Monitoring)**

**Was monitoring for the reporting year performed in accordance with either 4.6.1.1.1 (Option 1) or 4.6.1.1.2 (Option 2)?**

Yes

**Provide a summary describing the results of information collected and analyzed, including monitoring data (analytical and non-analytical), if any, during the reporting period. If no monitoring was completed, explain.**

Pathogen Monitoring produced results showing 3 of the sample locations having a higher Geometric Mean than the 126 CFUs used as a target for TMDL development. The first being Springfield Branch (SPRIN000.3BT) at 261.4 CFUs and there was no prior testing data from the previous monitoring to compare it with. The second was Culton Creek (CULTO001.5BT) with a Geometric Mean of 1132.3 CFUs that was significantly higher than the results from the last monitoring data of 356 CFUs. At this location a herd of beef cattle was noted in the field notes and could be the source, but sanitary sewer lines are in the area and the area is prone to beaver activity. This data has been provided to the Public Works sanitary sewer division for further investigation into the sewer infrastructure. The third is Brown Creek site (PISTO008.4) that had a geometric Mean of 198.5 CFUs which is lower than the previous monitoring results of 207 CFUs. The complete results from the Pathogen Monitoring is attached below.

Biological Monitoring produced results that illustrated improvements at some locations and degradation at others. The habitat score show that (PISTO000.8BT, PISTO004.3BT and PISTO008.4BT) met the regional expectation goal. Of the sites 3 improved, 4 scored lower and one is new during this permit cycle. The TMI scores were very similar to the last monitoring cycle with only changes happening at (PISTO000.8BT, and PISTO004.3BT) . (PISTO000.8BT)'s biological condition went from Impaired to Non-Impaired. (PISTO004.3BT)'s biological condition went from Non-impaired to Slightly Impaired. Springfield Branch and Culton Creek were the only streams with a Moderately Impaired score. The complete results are attached below.

The Visual Stream Assessment (VSA) was also completed during this reporting period. The VSA lists areas affected by erosion, inadequate buffer, exposed pipes, trash, and fish blockages. The results are very similar to the last VSA. It is worth mentioning that Russell Branch has a major HWY project along the section between N. Wright Road and Pellissippi Parkway. At the time of the VSA the buffer had been removed from the stream, but as part of the HWY project this same section has a remediation plan as part of the overall project. The complete VSA is attached below.

For your convenience, links to the required standard templates for reporting the results of your monitoring data are provided below. EDD Sheets (Field Stream Survey and Habitat Sheets, Macroinvertebrate Taxa Report, and the TDEC E. coli and Field Water Parameter Report) are in the section labelled Water Quality Assessment Publications as excel files.

[Publications](#)

**Attach results of all analytical and non-analytical monitoring data collected during this reporting period.**

- [334-385\\_City of Alcoa\\_Biological Report.pdf - 08/28/2024 11:53 AM](#)
- [334-385\\_City of Alcoa\\_Pathogen Monitoring Report.pdf - 08/28/2024 11:53 AM](#)
- [334-385\\_CoA\\_VSARepor2024.pdf - 08/28/2024 11:54 AM](#)

**Comment**

CEC has submitted Biological Stream Survey Workbooks/Taxa Reports and the Pathogen Monitoring Workbooks on behalf of the City of Alcoa. A confirmation email was received from a TDEC representative on Tuesday September 17, 2024. A copy has been kept in city files.

**Legal Authority**

Per subpart 4.7.1.The initial solicitor’s statement is required in the 2024 annual report for existing permittees and in the third annual report for new permittees.

If modifications are made to the legal authority that necessitate a new evaluation by a solicitor, a new certification statement must be submitted. Per subpart 4.1.2. All updates to the legal authority (ordinances/resolutions etc.) required by changes to the permit shall be fully implemented and adopted.

**Attach a signed solicitor’s certification statement.**

- [Solicitors Certification Statement.pdf - 09/17/2024 11:04 AM](#)

**Comment**

NONE PROVIDED

**In order to facilitate the review of the legal authority, please indicate if you used the 2023 MTAS MS4 Model Ordinance?**

NONE PROVIDED

**Attach Legal Authority - Ordinances, Resolutions, etc**

[ORD 24-616 AMEND T16 CH5 STORMWATER MGMT - Digital.pdf - 09/13/2024 08:38 AM](#)

**Comment**

NONE PROVIDED

**Attach Legal Authority - Enforcement Response Plan and List or Table of Progressive Enforcement Actions**

[8 City of Alcoa Enforcemethn Response Plan.pdf - 09/13/2024 08:39 AM](#)

[9 Schedule of Penalties- Final.pdf - 09/13/2024 08:39 AM](#)

**Comment**

NONE PROVIDED

**Stormwater Management Program Evaluation**

**Stormwater Management Program Evaluation**

In accordance with subpart 4.6.2. The permittee shall conduct an annual evaluation of the Stormwater Management Program to evaluate compliance with the terms and conditions of the permit, including the effectiveness of the BMPs, components, or controls of its stormwater management program, and the status of achieving the measurable requirements in the permit.

**Summarize the results of the permittee's annual evaluation of the current Stormwater Management Program.**

Over all the Stormwater Management Program is in good standing.

**Identify modifications or replacement of an ineffective activity/control measure/component/BMP.**

The city added IDDE signage in places of general congregation in the service center for employee training. The city added links to the CGP and Utility Manual directed to the Engineering/Development community. A presentation with a poster as a visual aid has been added as part of the Stream Clean-up conducted by KBB. The presentation in delivered by city employees and gives the public a good opportunity for a question and answer session.

**Summarize the assessment results, and any modifications and improvements scheduled to be implemented in the next reporting period to improve the program or remedy deficiencies or weaknesses**

The up coming reporting period has begun and the city has held public hearings and implemented the updated Stormwater Management Ordinance and Stormwater Management Manual Volume 1. The City of Alcoa and the City of Maryville have worked closely together during the manual creation and have scheduled a one time Lunch and Learn for the stormwater design community. The city has also added a step to the SCM installation inspection process to help with reporting requirements. The city is working on a GIS based SCM inspection portal on the cities webpage that will give SCM owners an opportunity to fill out inspection reports online and automatically produce a record of the inspection to the city. This system is targeted to start at the end of September 2024. These additions will meet the permanent stormwater requirements that have recently gone into effect.

**Is MCM 1: Public Education and Outreach on Stormwater Impacts compliant with Permit Requirements?**

Yes

**Is MCM 2: Public Involvement/Participation compliant with Permit Requirements?**

Yes

**Is MCM 3: Illicit Discharge Detection and Elimination (IDDE) compliant with Permit Requirements?**

Yes

**Is MCM 4: Construction Site Stormwater Runoff Control compliant with Permit Requirements?**

Yes

**Is MCM 5: Post-Construction/Permanent Stormwater Management in New Development and Redevelopment compliant with Permit Requirements?**

Yes

**Is MCM 6: Pollution Prevention/Good Housekeeping compliant with Permit Requirements?**

Yes

**Is Monitoring Program (subpart 4.6.1.1) compliant with Permit Requirements?**

Yes

---

The following questions are from subpart 5.2 Annual Report Requirements.

**Is the permittee compliant with the permit terms and conditions?**

Yes

This determination should be made as to the status of the program at the end of the reporting period and the requirements applicable at that date. For example, the permanent stormwater program changes are not required to be implemented until 24 months after the effective date of the permit. So if the MS4 has not yet implemented those changes at the first annual report, they would still be in compliance, if their program meets the previously established requirements.

**Please Explain**

The city has executed the Post-Construction/Permanent Stormwater Management Implementation Plan and filled in gaps identified in the PIE and Publicity Plans as part of the process. Monitoring requirements were conducted this reporting cycle as well.

**Is the permittee relying on another governmental entity to satisfy some of the permit obligations?**

No

**Enter additional or clarifying information not elsewhere reported in this document.**

NONE PROVIDED

**Any other data specifically requested by the Division to substantiate statements and conclusions reached in the Annual Reports.**

NONE PROVIDED

**Comment**

NONE PROVIDED

## Agreements and Signature(s)

---

### SUBMISSION AGREEMENTS

- I am the owner of the account used to perform the electronic submission and signature.
- I have the authority to submit the data on behalf of the facility I am representing.
- I agree that providing the account credentials to sign the submission document constitutes an electronic signature equivalent to my written signature.
- I have reviewed the electronic form being submitted in its entirety, and agree to the validity and accuracy of the information contained within it to the best of my knowledge.

*This report must be signed by a ranking elected official or by a duly authorized representative of that person. See signatory requirements in subpart 7.11.2 of the permit.*

*"I certify under penalty of law that I have personally examined and am familiar with the information submitted in the attached document; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."*

**Signed** Bruce Applegate on 09/26/2024 at 6:56 AM  
**By**