



# COLORADO

Department of Public  
Health & Environment

Dedicated to protecting and improving the health and environment of the people of Colorado

## COR090000 Renewal Permittees Annual Report Form

Municipal Separate Storm Sewer Systems (MS4s) General Permits **Revised 5/2022**

One original copy (no faxes or e-mails) of the completed annual report form and any required attachments, must be submitted to the address in the footer, below

### Part 1: Permit Identification

General Permit Number: COR090000

Certification Number: COR09 090020

### Part B: Reporting Period Jan 1 through Dec 31

(Check one. Report is due by March 10 of the following year.)

2019  2020  2021  2022  2023

### Part 2: Permittee Information (If there are any changes, please submit a [Change of Contacts form](#))

Organization: Boulder County

Mailing Address: Board of County Commissioners

P.O Box 471

City: Boulder State: CO Zip: 80306

### Part 3: Site Contact Information (If there are any changes, please submit a [Change of Contacts form](#))

Facility Contact Name: Jennifer Keyes

Title: Stormwater Quality Coordinator

Telephone No: 720-225-7228

Email Address: jkeyes@bouldercounty.org

### Part 4: Facility Information

Have any areas been added or removed from the permit area due to annexation or other legal means?

YES  NO

If YES, provide the web address for an online map, below, or check "attached" below and **attach an updated map** labeled as "Part 4" that identifies the jurisdictional boundaries.

Provide the map's web address or indicate if a map is attached (if applicable):  Attached

<http://maps.boco.solutions/propertysearch/> - shows real-time updates to jurisdiction by parcel and for an overview map use <https://bouldercounty.maps.arcgis.com/apps/instant/minimalist/index.html?appid=f0b6cf38042b4436b3f3590b04def255&center=-105.1984,40.0644&level=13>

### Part 5: Notice of Reliance on Third Party

Is the permittee relying on another entity to satisfy any of the permit obligations (if applicable) that has not been reported to the division in a previous report or permit application (including reports under previous permit terms).  YES  NO

If YES, **attach a short narrative** labeled as "Part 5" identifying the permit requirement and the entity relied on.



## Part 7 - Program Implementation Report

(Part 6 of the report was only applicable to the 2016 report and has been removed)

### 7.A) Compliance Schedule = required Annual Report Notifications

For all compliance schedule actions completed by January 1 of the year the report is due (including those actions completed prior to the reporting period), identify the date of completion. Refer to Part I.H of the permit.

Only complete those rows for which the deadline was met during the reporting period.

This table reflects all compliance schedule items for the permit term, which includes permit conditions that do not need to be met during the current reporting period.

Permit Condition	Action	Deliverable	Deadline	Date of Completion/Implementation
I.A.3.a.ii(B)	County growth area maps (Part I.A.3.a.ii(B)) - Completed January 1, 2017 Refer to Part I.H of the permit, not a required element for reporting in the annual report.			
I.C.1, and PDD content requirements in Parts I.D and E	Complete PDD (contents must reflect terms and conditions that are in effect, i.e., following the associated compliance schedule deadline)	Notification in annual report Due March 10, 2019	Completed January 1, 2019	10/18/2018
I.E.2.a.ii,iii,v I.E.3.a.ii,iii I.E.4.a.ii,iii	Complete all applicable changes to the regulatory mechanism(s): Ensure requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2020	Completed July 1, 2019	7/1/2019
I.E.1.a.i	Illicit Discharges: Begin providing information targeting business(es) and the general public	Notification in annual report Due March 10, 2019	Begin implementation July 1, 2018	7/1/2018
I.E.1.a.ii	Education and Outreach Activities: Begin providing annual public education and outreach from Table 1.	Notification in annual report Due March 10, 2019	Begin implementation January 1, 2018	1/1/2018
I.E.1.a.iii(A)	Nutrients: Determine targeted sources of nutrients.	Notification and list of targeted sources in annual report Due March 10, 2018 <b>Attach List to March 10, 2018 Annual Report following completion, labeled as "PART 7.A - Nutrient Targets"</b>	Completed January 1, 2018	1/1/2018
I.E.1.a.iii(B)	Nutrients: Begin providing education and outreach to the targeted sources	Notification in annual report Due March 10, 2019	Begin implementation July 1, 2018	7/1/2018
I.E.2.a.iv(A) and (B)	Tracing an Illicit Discharge: Ensure requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2018	Completed January 1, 2018	1/1/2018
I.E.2.a.vi	Removing an Illicit Discharge, Enforcement Response: Ensure requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2018	Completed January 1, 2018	1/1/2018
I.E.2.a.viii	Priority Areas: Identify any new priority areas	Notification in annual report Due March 10, 2018	Completed January 1, 2018	1/1/2018
I.E.2.b.vi	Removing and Illicit Discharge: Ensure documentation is recorded.	Notification in annual report Due March 10, 2018	Completed January 1, 2018	1/1/2018
I.E.3.	Begin implementing the permittee's current construction sites program in the county growth areas.	Notification in annual report Due March 10, 2020	Completed January 1, 2019	N/A
I.E.3.a.i	Excluded Activities for County Growth Areas: Ensure requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2020	Completed July 1, 2019	N/A



**7.A) CONTINUED: Compliance Schedule = required Annual Report Notifications**

Permit Condition	Action	Deliverable	Deadline	Date of Completion/Implementation
I.E.3.a.iv	Control Measure Requirements: Ensure control measure requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2020	Completed July 1, 2019	7/1/2019
I.E.3.a.v(B) through (C)	Site Plans: Ensure requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2020	Completed July 1, 2019	7/1/2019
I.E.3.a.vi(B) through (E)	Site Inspection: Ensure requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2020	Completed July 1, 2019	7/1/2019
I.E.3.a.vii(B)	Enforcement Response: Ensure requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2020	Completed July 1, 2019	7/1/2019
I.E.3.b.vi	Site Inspection: Ensure requirements are met; revise implementation and documentation if necessary, ensure documentation is recorded.	Notification in annual report Due March 10, 2020	Completed July 1, 2019	7/1/2019
I.E.4.	Begin implementing the permittee's current post- construction sites program in the county growth areas.	Notification in annual report Due March 10, 2020	Completed January 1, 2019	N/A
I.E.4.a.i	Excluded Sites: Ensure requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2020	Completed July 1, 2019	7/1/2019
I.E.4.a.iv	Control Measure Requirements: Ensure new control measures meet one of the design standards	Notification in annual report Due March 10, 2020	Completed July 1, 2019	7/1/2019
I.E.4.a.v	Site Plans: Ensure requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2020	Completed July 1, 2019	7/1/2019
I.E.4.a.vi and vii	Construction Inspection and Acceptance and Post Acceptance Oversight: Ensure requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2020	Completed July 1, 2019	7/1/2019
I.E.4.a.viii	Enforcement Response: Ensure requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2020	Completed July 1, 2019	7/1/2019
I.E.5.a.ii	Municipal Facility Runoff Control Measures: Ensure requirements are met; revise implementation and documentation if necessary.	Notification in Annual report Due March 10, 2018	Completed July 1, 2017	6/29/2017
I.E.5.a.ii(C)	Municipal Facility Runoff Control Measures: Ensure inspection requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2020	Completed July 1, 2019	5/20/2019
I.E.5.a.iv	Nutrient Source Reductions: Ensure requirements are met; revise implementation and documentation if necessary.	Notification in annual report Due March 10, 2021	Completed July 1, 2020	7/1/2020
I.E.5.a.v.	Outdoor Bulk Storage	Notification in annual report Due March 10, 2022	Completed July 1, 2021	7/1/2021
I.E.5.b.i	Municipal Facility Runoff Control Measures: Ensure documentation is recorded.	Notification in annual report Due March 10, 2020	Completed July 1, 2019	7/1/2019



## 7.C) Assessment and Modifications

**i. The results of the assessment of the effectiveness of the control measures.**

Provide a narrative based on the assessment required in Part I.G.1.b of the Permit. The permit does not identify the scope or scale of information required beyond this information, the permittee may determine the extent and nature of information provided to meet this requirement.

Provide information below, or check "attached" and **attach the information** labeled as "PART 7.C.i"

Attached

Boulder County has assessed the implementation of the control measures required by the permit and found the county to be in compliance with the requirements in Part I.E and III, and compliance schedule in Part I.H of the permit. It is Boulder County's understanding that the implementation of control measures consistent with the requirements of the permit constitutes an effective method to achieve the effluent limits of the permit.

**ii. The results of the permit modification assessment and if any parts of this permit need to be modified or a condition of the permit may not be practicable.**

Provide a narrative based on the assessment required in Part I.G.1.c of the Permit. The permit does not identify the scope or scale of information required beyond this information, the permittee may determine the extent and nature of information provided to meet this requirement.

Provide information below, or check "attached" and **attach the information** labeled as "PART 7.C.ii"

Attached

Boulder County has assessed the permit and did not identify any permit modifications that may be needed.



**7.D) \*Program Elements - Public Education and Outreach (Part I.E.1)**

**\*All of 7.D is not required prior to the Jan 1, 2018 deadline for implementing in accordance with I.E.1.a.i, ii, & iii**

**iii. List of the education and outreach activities completed in accordance with Part I.E.1.a.i. - Illicit Discharges Education and Outreach.**

Provide list below.

Restaurant Resource Sheet BMP handouts and verbal education were provided to the restaurants below during routine health inspections by Boulder County Public Health restaurant inspectors during 2022.

- Niwot Elementary 8778 Morton Rd, Niwot, CO 80503 - 3/8/2022
- Niwot High School 8989 Niwot Rd, Niwot, CO 80503 - 3/8/2022
- Wapos 4929 Broadway, Boulder 80301 - 5/4/2022
- Winos Coffee 7960 Niwot Rd D14, Niwot, CO 80503 - 5/31/2022
- Abo's 7960 Niwot Rd D, B5Niwot, CO 80503 - 5/31/2022
- Raza Freza 7960 Niwot Rd D12, Niwot, CO 80503 - 9/22/2022
- Fans 7960 Niwot Rd C9, Niwot, CO 80503 - 9/22/2022
- Lefty's Gadget and Pizza 364 2nd Ave, Niwot, CO 80503 - 9/22/2022
- Niwot Conoco 7960 Niwot Rd, Niwot, CO 80503 - 11/14/2022
- Old Oak Coffeeshouse 136 2nd Ave Unit B, Niwot, CO 80544 - 11/14/2022
- Niwot Tavern 7960 Niwot Rd D13, Niwot, CO 80503 - 11/17/2022

**iv. List of the education and outreach activities completed in accordance with Part I.E.1.a.ii. - Education and Outreach Activities Table, referencing the activities in Table 1 of the Permit.**

The permittee must implement at least four education and outreach activities (bulleted items) and at least two must be from the Active and Interactive Outreach column. Check those activities conducted in the table below.

**Passive Activity**

Check all activities implemented during report year

- Bus shelter/bench advertisement
- Billboard/dasher board advertisement
- Vehicle/bus advertisement
- Radio/television/movie theater advertisement
- Newspaper advertisement
- Distribute educational materials by brochure
- Distribute educational materials by fact sheet
- Distribute educational material by utility bill insert
- Publish article (hard copy or electronic)
- Storm drain marking by permittee staff that maintains 25% of permittee maintained inlets.
- Stormwater related signage
- Web site

**Active and Interactive Outreach Activity**

Check all activities implemented during report year

- Ongoing advertisement/promotion of a stormwater hotline number or other method to report an illicit discharge
- Ongoing advertisement/promotion on how to get more information about the stormwater program
- Ongoing social media program
- Web site that is interactive or contains stormwater information that includes actions that can be taken to reduce stormwater pollution
- Newsletter (hard copy or electronic)
- Promotion of existing local stormwater/environmental events or program that help protect water quality
- Distribute promotional items or giveaways
- Participate in or sponsor a water festival which involves populations that exist within the permit boundary
- Participate in or sponsor a waterway clean-up and trash removal event
- Participate in or sponsor a service project
- Participate in or sponsor a stormwater or environmental presentation
- Participate in or sponsor a stormwater or environmental event
- Participate in or sponsor community project based programs that investigate watershed health and meet applicable school Science, Technology, Engineering and Math (STEM) standards

*Continued on Next Page*



*Active and Interactive Outreach Activity Column,  
Continued*

- Participate in or sponsor a household hazardous waste event
- Participate in or sponsor an Adopt-a-Street program
- Participate in or sponsor an Adopt-a-Waterway program
- Participate in or sponsor an Adopt-a-Storm Drain program
- Provide ongoing access to motor vehicle fluids recycling program
- Stormwater booth at a community event
- Conduct a stormwater survey
- Storm drain marking program performed by the public/community
- Pet waste stations
- Participate in, plan, or present stormwater materials to schools
- Stormwater demonstration projects that show control measures or other pollutant reduction methods

**v. A list of the education and outreach activities completed in accordance with Part I.E.1.a.iii. - nutrients and targeted sources**

Provide list below, including the pollutant sources targeted for each activity.

See Attachment labeled as PARTS 7.A and 7.D.v Nutrient Targets and Activities Completed.



## 7.E) Program Elements - Illicit Discharge Detection and Elimination

### vi. Provide the total number of unresolved reports/identification of illicit discharges.

An unresolved illicit discharge is one that has been identified or reported to the permittee and the requirements for removing the illicit discharge were not met during the reporting period. Refer to requirements for removing an illicit discharge in Part I.E.2.a.vi of the new permit. For the period prior to implementing a program to meet Part I.E.2.a.vi in accordance with the compliance schedule, refer to the permittee's CDPS Stormwater Management Program Description from the previous permit term.

0

## 7.F) Program Elements - Construction Sites

The permittee can define what constitutes an individual "site" and "inspection" for reporting below as appropriate for the permittee's own program.

### i. **Applicable construction sites:** Provide the total number of applicable construction sites during the year.

"Applicable construction sites" are sites for which "applicable construction activities," as defined in the permit, occurred during the reporting year.

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### ii. **\*Routine Inspections:** Provide the total number of Routine Inspections performed during the year.

Routine Inspections are inspections of applicable construction activities that meet the inspection scope requirements in Part I.E.3.a.vi(C) and for which documentation is recorded in accordance with in Part I.E.3.b.vi.

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**\*Not required prior to the July 1, 2019 deadline for documenting in accordance with I.E.3.b.vi.**

### iii. **\*Reduced Site Inspections:** Provide the total number of Reduced Site Inspections performed during the year.

Reduced Site Inspections are inspections of applicable construction activities that meet the inspection scope requirements in Part I.E.3.a.vi(D)(1), (2), (3) and (4) for which documentation is recorded in accordance with in Part I.E.3.b.vi.

13

**\*Not required prior to the July 1, 2019 deadline for documenting in accordance with I.E.3.b.vi.**

### iv. **\*Compliance Inspections:** Provide the total number of Compliance Inspections performed during the year.

Compliance Inspections are inspections, operator reporting, or other action(s) to assess the control measure has been implemented or corrected of applicable construction activities that meet the inspection scope requirements in Part I.E.3.a.vi(E) and for which documentation is recorded in accordance with in Part I.E.3.b.vi.

50

**\*Not required prior to the July 1, 2019 deadline for documenting in accordance with I.E.3.b.vi.**

### v. COUNTY PERMITTEES ONLY

**\*County Growth Area Excluded Construction:** Where any construction activities excluded from being applicable construction activities in accordance with Part I.E.3.a.i(B) (1) or (2)?  YES  NO

If YES, **attach** a list of the excluded construction sites. Include recordkeeping information required by Part I.E.3.b.i. Label the attachment as "Part 7.F.v Excluded Growth Area Construction."

**\*Not required prior to the January 1, 2019 deadline for implementing in growth areas.**



**7.G) Program Elements - Post-Construction Stormwater Management in New Development and Redevelopment Program**

The permittee can define what constitutes an individual "site" and "control measure" for reporting below as appropriate for the permittee's own program.

i. <b>Applicable development sites:</b> Provide the total number of applicable development sites for which control measures were implemented during the reporting period	0
<b>ii. *Long-Term Operation and Maintenance and Post Acceptance Oversight:</b> *ii.a and ii.b, below, are not required prior to the July 1, 2019 deadline for conducting inspections in accordance with Part I.E.4.a.vii.	
ii.a Provide the total number of applicable <u>development sites</u> inspected to ensure compliance with the requirement in Part I.E.4.a.vii.	2
ii.b Provide the total number of applicable <u>control measures</u> inspected to ensure compliance with the requirement in Part I.E.4.a.vii.	4
<b>iii. *Excluded Roadway Development Sites:</b> Where any development excluded from being an applicable development site in accordance with the following permit conditions?  Pavement Management: Part I.E.4.a.i(A), except maintenance sites <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Roadway Redevelopment: Part I.E.4.a.i(B) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Existing Roadway Areas Part I.E.4.a.i(C) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO  If YES to one or more of the above, <b>attach</b> a list of the excluded development sites, identifying which exclusion applied. Include the recordkeeping information required by I.E.4.b.ii. Label the attachment as "Part 7.G.iii Excluded Roadway Development."  *Not required prior to the July 1, 2019 deadline for implementing control measure in accordance with I.E.4.a.iv and exclusion requirements in accordance with I.E.4.a.i	
<b>iv. COUNTY PERMITTEES ONLY</b> *County Growth Area Excluded Development Sites: Where any developments excluded from being applicable development sites in accordance with Part I.E.4.a.i (G)(1)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  If YES, <b>attach</b> a list of the excluded development sites. Include the recordkeeping information required by I.E.4.a.i (G)(1). Label the attachment as "Part 7.G.iv Excluded Growth Area Development."  *Not required prior to the January 1, 2019 deadline for implementing in growth areas.	

**Part 8: Required Certification Signature [Reg 61.4(1)(h)]**

"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."

Name (Legal Contact):  Claire Levy	Title:  Chair, Board County Commissioners
Signature (Original Ink Signature):  <i>Claire Levy</i>	Date signed:  February 21, 2023





## Public Works Department

### PART 5 – Notice of Reliance on Third Party, Permit Certification No. COR-090020, Boulder County MS4

The County continues to rely, in part, on the Keep It Clean Partnership to fulfill Permit requirements under I.E.1 of the MS4 Permit (Public Education and Outreach), specifically I.E.1.a.ii and I.E.1.a.iii. The County also participates in Colorado Stormwater Council and utilizes some of their public outreach activities such as radio ads as part of our Public Education and Outreach activities.

Additionally, the County employed the services of a consultant, Wright Water Engineers, to perform some of the stormwater and drainage reviews for Construction and Post-construction Programs (I.E.3.a.v and I.E.4.a.v) as well as to assist with Construction and Post-construction Site Inspections (I.E.3.a.vi and I.E.4.a. vi and vii).



## Public Works Department

PARTS 7.A and 7.D.v Nutrient Targets and Activities Completed, Permit Certification  
No. COR-090020, Boulder County MS4

Target Pollutant/ Source	Target Audiences	Outreach Activity	Distribution Mechanism	Dates
<b>Sewage, Greywater, Pet Waste</b>	Fairgrounds Campground Users	Postcard/Handout	Campgrounds host provides to campers	All Year
<b>Pet Waste</b>	Dog Owners	Pet Waste signage	Boulder County Fairgrounds and various Parks and Open Space	All Year
<b>Pet Waste</b>	Residents	Vehicle/bus advertisement – Bacteria Focused	Busses	August- December
<b>Fertilizer, Pet Waste</b>	Property owners; Pet Owners	Newspaper/Maga zine Advertisement - Nutrient Focused	Newspaper Advertisement	April and May
<b>Fertilizer, Lawn Waste, Pet Waste</b>	Website Users	Webpages – Nutrient Focused	KICP Website	All Year
<b>Fertilizer, Lawn Waste, Pet Waste</b>	Subscribers, General Population	Newsletter and Newsletter Messages - Nutrient Info Included	Email Newsletter	Throughout the year
<b>Fertilizer, Lawn Waste, Pet Waste</b>	K-5 Students	Presentation to Schools- Nutrient Info Included	Educational Activities with Nutrient Messages	Throughout the year
<b>Fertilizer, Pet Waste</b>	Residents	Utility Bill Inserts - Nutrient Info Included	Utility Bill Inserts	June, July
<b>Sediment/ Nutrients from Construction</b>	Construction Industry	Informational materials, contact information	KICP website	All Year



# Public Works Department

## PARTS 7.G.iii Excluded Roadway Development, Permit Certification No. COR-090020, Boulder County MS4

Record ID	Site Name	Owner Name	Location	Completion Date	Site Area Disturbed (Acres)	Excluded Impervious Area (Acres)	Reason for Post Construction Exclusion
<b>SWQP-22-016</b>	Morton Heights Subdivision Improvements	Boulder County Public Works (Road Right-of-Way)	Portions of Walker Avenue, Morton Road, Marathon Road, and Paiute Avenue	Construction completed September 2022 – waiting for final stabilization	2.25 (some mill and overlay with no disturbance)	2.95	Roadway Redevelopment 0.15 acre, Pavement Management 2.07 acres, Excluded Existing Roadway 0.73
<b>SWQP-22-024</b>	104 <sup>th</sup> Street Trail Connection	City of Louisville (Road Right-of-Way)	104 <sup>th</sup> Street	N/A - Ongoing project	4.09	0.45	Roadway Redevelopment Exclusion was utilized for portions of the concrete trail immediately adjacent to the roadway. The trails exclusion was tracked separately for areas of the trail that were not paved or were not adjacent to the roadway.



## Public Works Department

TO: Mary Welch, Colorado Department of Public Health and Environment (CDPHE)

FROM: Boulder County Board of County Commissioners (BOCC)

DATE: February 6, 2023

PREPARED BY: Jennifer Keyes, Stormwater Quality Coordinator, Public Works

RE: Permit Certification No. COR-090020, Boulder County MS4 – TMDL annual reporting required under Part III for January 1, 2022 to December 31, 2022

Submitted electronically via [cdphe.wgrecordscenter@state.co.us](mailto:cdphe.wgrecordscenter@state.co.us)

Total Maximum Daily Load (TMDL) implementation requirements are integrated into the Phase II Municipal Separate Storm Sewer System (MS4) Permit (No. COR-090000) that became effective July 1, 2016. This memorandum is being submitted to you for *E. coli* TMDL annual reporting regarding a portion of Boulder Creek Segment 2b (hereinafter referred to as *E. coli* TMDL segment) in accordance with Part III.A.2 of the MS4 Permit.

As explained in previous TMDL Annual Reports, Boulder County has determined that it does not own, operate, or maintain an urbanized MS4 that discharges to the Boulder Creek *E. coli* TMDL segment. Accordingly, Table 8-1 of the 2011 TMDL does not assign required reductions to any Boulder County outfalls. In 2022, Boulder County continued to shift its resources away from the *E. coli* TMDL segment, over which it has minimal control, to other initiatives aimed at improving water quality in areas where Boulder County has more direct control.

During this reporting year, Boulder County had a vacancy in its Stormwater Quality Coordinator position from May – October 2002. Most of the resources in 2022 were used to continue public outreach about *E. coli* and potential sources.

**Part III.A.2.a. For the first annual report only: A description of all control measures planned by the permittee to reduce the discharge of *E. coli* to COSPBO02 from 13<sup>th</sup> Street to South Boulder Creek, including specific target dates for implementation.**

This information was submitted in the first annual report (2016), and an update on implementation is provided in Part III.A.2.b below.

**Part III.A.2.b. A description of all control measures implemented by the permittee**

**Claire Levy** County Commissioner **Marta Loachamin** County Commissioner **Ashley Stolzmann** County Commissioner

Physical Location • 2525 13th Street • Boulder, Colorado 80304 • Tel: 303.441.3900

Mailing Address: P.O. Box 471 • Boulder, CO 80306 • [www.BoulderCounty.gov](http://www.BoulderCounty.gov)



## Public Works Department

### to reduce the discharge of *E. coli* to COSPBO02 from 13<sup>th</sup> Street to South Boulder Creek.

In previous annual reports, Boulder County used Table III.A.2.b to report completion dates for implemented control measures under Part III.A.2.b. All original control measures in Table III.A.2.b were completed by the end of the 2019 Reporting Year (task numbers 1-7) and can be found in previous annual reports, so we are taking this opportunity to learn from and adjust our approach to impaired streams. Table III.A.2.b is no longer specific to Boulder Creek Segment 2b but instead represents a broader approach on how we intend to address *E. coli* and other stream impairments. To this end, the county is exploring the following potential options to improve water quality through its stormwater quality protection program.

**Table III.A.2.b. Planned control measures by Boulder County to address stream impairments<sup>1</sup>**

Reporting Year 7 (2022)				
Task Number	Name	Description/Notes	Tentative Implementation Target Date	Date of Completion
8	MS4 outfall inventory for impaired streams	Proactively inventory Boulder County MS4 outfalls discharging to 303(d) listed streams that do not currently have TMDLs. Perform GIS analysis for prioritization and collect additional information on these locations so Boulder County is better prepared for TMDL development in the future.	Ongoing – Memo prepared by WWE in December 2022, continued work	December 2021
9	Stormwater quality protection program	Continued implementation of the six minimum control measures in the MS4 Permit (in both TMDL and non-TMDL areas).	Ongoing	Ongoing

<sup>1</sup>Boulder County's currently applicable MS4 Permit expired June 30, 2021 and has been administratively extended by CDPHE. The County performed many investigations into water quality during the permit term and plans for future projects to better understand water quality in the County's urbanized area.

**Claire Levy** County Commissioner **Marta Loachamin** County Commissioner **Ashley Stolzmann** County Commissioner



## Public Works Department

Reporting Year 7 (2022)				
Task Number	Name	Description/Notes	Tentative Implementation Target Date	Date of Completion
10	Public education on <i>E. coli</i>	Continued participation in public education efforts related to <i>E. coli</i> in collaboration with the Keep It Clean Partnership.	Ongoing	Ongoing

**Part III.A.2.c. An identification of all illicit discharges identified by the permittee determined or suspected by the permittee to contribute to discharges from the MS4 in exceedance of 126 colony-forming units (CFU) of bacteria per 100 milliliters of water (the *E. coli* water quality standard). The first annual report shall include information on discharges identified prior to the effective date of the permit.**

Given that we now know that there are no Boulder County MS4 outfalls to Boulder Creek in the TMDL segment, then, it follows that there are no illicit discharges to the county's MS4. The definition of illicit discharge in the MS4 Permit applies to discharges to the MS4.

Furthermore, Boulder County is tracking both public and employee reports of suspected illegal discharges, and it has not identified illicit discharges that may potentially contribute to exceedances of the *E. coli* water quality standard in Boulder Creek Segment 2b.

**Part III.A.2.d. An indication of if the illicit discharges identified in Subsection "c" have been eliminated. If the discharge has not been eliminated, a description of any planned control measure that the permittee intends to take to address the discharge must be included.**

No illicit discharges are identified in Subsection "c" above.

**Part III.A.2.e. A description of monitoring activities conducted, or planned, to meet the requirements of Part III.A.1 and identify progress towards meeting the WLA in the COSPB02 from 13<sup>th</sup> Street to South Boulder Creek *E. coli* TMDL.**

Boulder County does not own, operate, or maintain an urbanized MS4 or outfall that discharges to the Boulder Creek *E. coli* TMDL segment. Therefore, Boulder County does not have an outfall to sample to assess progress towards meeting the WLA. Accordingly, Table 8-1 of the 2011 TMDL does not assign required reductions to any Boulder County outfalls.

**Claire Levy** County Commissioner **Marta Loachamin** County Commissioner **Ashley Stolzmann** County Commissioner



## Public Works Department

Additionally, based on the field work completed during 2020-2021, we believe that the MS4 Permit Part III.A.2.c through Part III.A.2.e requirements do not apply to Boulder County. We understand that TMDLs are completed based on the best available information at the time of development, with some assumptions later determined to be invalid as TMDL implementation proceeds. Work completed by Boulder County over the last several years demonstrates that some of the assumptions in the TMDL were not correct. Although we are not currently requesting a TMDL reopener at this time, we do request that our findings be considered in the upcoming renewal of Boulder County's MS4 Permit so that future MS4 permit conditions for the County align with improved data and information collected by the county over the last several years. We would welcome further discussion with CDPHE on this topic.

If you have any questions about anything in this memorandum, please contact Jennifer Keyes directly at 720-225-7228 or via email at [jkeyes@bouldercounty.org](mailto:jkeyes@bouldercounty.org).

### **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."

*Claire Levy*

February 23, 2023

Signature of Permittee (Legal Contact)

Date Signed

**Claire Levy** County Commissioner **Marta Loachamin** County Commissioner **Ashley Stolzmann** County Commissioner

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