

Water Quality Control Division

# ANNUAL REPORT

to the Water Quality Control Commission and the Legislature

SUBMITTED OCTOBER 1, 2024





## Foreword

I am pleased to submit the Water Quality Control Division's annual report. Our efforts continue to protect and restore Colorado's water quality for public health, the environment, and future generations. This report outlines the division's services, which range from issuing permits and conducting engineering design reviews to providing technical and financial assistance, including inspections, grants, and loans, to compliance and enforcement activities. The division aims to provide regulated permittees and public water systems the resources, regulatory framework, and procedures they need to effectively protect Colorado's streams and lakes and provide safe drinking water.

This past year, we navigated significant changes at the federal level. In September 2023, EPA revised its methodology for assessing the Clean Water Act permit backlog. This drastically reduced the amount of division clean water permits that are considered up-to-date from 75% to 25%. Additionally, we anticipate that EPA will finalize several major EPA Safe Drinking Water Act rules by the end of 2024. In response, thanks to additional funding from the General Assembly, we have hired resources and started to transition fees from statute so we can work more seamlessly with fee-payers to identify approaches for funding additional resource needs. We also worked with affected entities and helped draft new state legislation addressing a recent U.S. Supreme Court decision on the Waters of the United States. These federal changes create additional work for the division, but we remain committed to our vision of providing clean and safe water for all.

The report also includes information required by statute. Pursuant to Colorado Revised Statutes 25-8-305 (1)(a), on or before Oct. 1 of each year, the division through the executive director shall report to the commission on the effectiveness of this article 8 and shall include in such report any recommendations the division may have with respect to any regulatory or legislative changes that may be needed or desired. The report must include the then-current monitoring information that has been obtained pursuant to section 25-8-303.

(2) The annual report described in subsection (1) of this section must include information on the division's:

- (a) Implementation of the discharge permitting program established in part 5 of this article 8.
- (b) Inspections performed.
- (c) Enforcement actions under this article 8.
- (d) Establishment of any new rules and standards.
- (e) Assessment of any emerging trends that the division perceives in issues pertaining to water quality.
- (f) Ratio of general fund appropriations to cash fund appropriations that were authorized for the state fiscal year immediately preceding the date of the report.
- (g) Revenue and expenditures, including for the division's general administration needs, the division's administration of the clean water and drinking water programs, and the division's allocation of any increased fees established through section 25-8-210 for services that the division provides. The department shall present this information as part of the department's annual "SMART Act" presentation pursuant to section 2-7-203.

(3)(a) For a report that the division submits on or before Oct. 1, 2025, the report must include the total permit fee revenue received in the previous twelve months, and the division's direct and indirect costs to administer the permits, for the following sector-specific permits, reviews, or determinations:

- (I) The commerce and industry sector pursuant to section 25-8-502 (1.1)(b).

- (II) The construction sector pursuant to section 25-8-502 (1.1)(c).
- (III) The pesticide sector pursuant to section 25-8-502 (1.1)(d).
- (IV) The public and private utilities sector pursuant to section 25-8-502 (1.1)(e).
- (V) The municipal separate storm sewer system sector pursuant to section 25-8-502 (1.1)(f).
- (VI) The reviews performed pursuant to section 25-8-502 (1.2) for requests for certification under section 401 of the federal act.
- (VII) The preliminary effluent limitation determinations performed pursuant to section 25-8-502 (1.3)(b).
- (VIII) The wastewater site applications and design reviews performed pursuant to section 25-8-502 (1.3)(c).

We are providing this annual report to the Senate [Agriculture & Natural Resources Committee](#) and the House of Representatives [Agriculture, Water and Natural Resources Committee](#).

A handwritten signature in black ink that reads "Nicole Rowan". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Nicole Rowan, Director  
Water Quality Control Division, Colorado Department of Public Health and Environment

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## Water Quality Control Division overview

The Water Quality Control Division's mission is to protect and restore Colorado's water quality for public health, the environment, and future generations. The division aims to accomplish this mission by being a top-performing organization that implements its programs in such a way that Colorado communities have safe drinking water and so our lakes and streams can be used by all.

To do this work, the division has three programs to support clean water and safe drinking water throughout Colorado. The Clean Water Program is responsible for implementing the federal Clean Water Act and the Colorado Water Quality Control Act, which focus on water quality protection and the restoration of Colorado's streams, rivers, lakes, reservoirs, wetlands, and groundwater and the protection of public health. More information about the program is described in Appendix A. The Safe Drinking Water Program, described in more detail in Appendix D, is responsible for implementing the federal Safe Drinking Water Act and various programs required by state statute. The Operations Program supports the Clean Water Program and Drinking Water Program with foundational administrative services.

## Division funding sources

The division regularly faces competing pressures for resources, including increased federal requirements and inflationary impacts. Historically, the division has requested additional resources to maintain and meet new state and federal obligations, with mixed success. Federal funds, cash fees, and General Fund resources mainly support the division. Before 2023, Colorado's General Assembly set fees in statute, and federal funding was and will continue to remain flat, making it challenging to achieve long-term fiscal sustainability and provide a higher level of customer service.

Federal funds primarily fund the Drinking Water Program. The Drinking Water Program gets support mainly from EPA's State Revolving Loan, but that model does not exist for the Clean Water Program. While the federal government has increased funding through the Bipartisan Infrastructure Investment and Jobs Act, those additional dollars have specific spending requirements, and there have also been cuts related to congressionally directed spending, leaving the Drinking Water Program funding levels at similar funding levels prior to the act. Drinking water fees were first created in state fiscal year (SFY) 2003-04.

The Clean Water Program relies heavily on cash funds and the General Fund to provide services and meet federal requirements. In 2015, the General Assembly passed HB15-1249, which provided additional resources to support one of the sectors in the Clean Water Program: the construction sector. This sector is largely composed of businesses that construct residential dwellings and commercial structures. Since receiving these resources, the division has been able to hire additional staff and improve technologies, which has led to a significant decrease in the amount of time it takes to issue and modify construction sector general permits and provide more assistance during inspections.

Below is a summary of recent legislation passed to support the division's funding:

- In 2017, the General Assembly passed HB17-1285, which provided funding to maintain Clean Water and Water Quality Control Act services, specifically for the commerce and industry sector, municipal separate storm sewer systems sector, and public and private utilities sector. The funding allowed the division to nearly backfill all the positions that were held vacant for budget-balancing purposes. The funding was to maintain existing services and not to address permit backlogs.
- In 2022, the division received an increase in spending authority from the General Assembly, which provided the legal authority to spend more of the revenue the division received from two sectors – the

construction sector and public and private utilities sector – in order to meet new EPA backlog goals and historic inspection goals.

- More recently, the Colorado General Assembly passed [legislation in 2023](#) to remove the fees from statute and instead directs the Water Quality Control Commission to set fees in regulation. Additionally, the General Assembly approved approximately \$2.9 million in General Funds for SFY 2023-24 and SFY 2024-25 to help the division start reducing permit backlogs and increase Safe Drinking Water Program inspections while working with stakeholders to establish fees by rule and appropriate funding levels to deliver services. By 2027, if these resources are maintained, we plan to have 45% of permits up to date (based on the revised EPA target excluding construction general permits) and 97% of all state drinking water systems will have had their routine inspection. In July 2023, the division started a stakeholder process for the commission’s fee-setting regulation. The first hearing occurred on May 13, 2024, which established a new rule, Regulation No. 102, and transferred drinking water and commerce and industry cash fees from statute to the new regulation, including a 13 percent fee increase. The second hearing, scheduled for 2025, will transfer the remaining fees from statute to regulation. The division has and will continue to host meetings with stakeholders leading up to this second rulemaking.

## Financial Summary

The following tables summarize the Water Quality Control Division's amount of General Fund appropriations and cash fund appropriations that were authorized for SFY 2023-24, or the most recent twelve months.

Table 1 summarizes the revenue and direct and indirect expenditures for the Water Quality Control Division's general administration needs, the clean water sectors, the Clean Water Program, and the Drinking Water Program. The General Fund to cash fund ratio is indicated throughout the table after the “GF:CF” notation. Overall, the division's General Fund to cash funds ratio is 51% General Fund and 49% cash funds.

Regarding cash expenditures, they are generally in line with the spending authority. General Fund fund expenses align with spending authority. For federal funds, the Long Bill appropriations are informational only, and expenses can sometimes vary from the informational only spending authority. In summary, expenditures are in line with spending authority.

**Table 1: WQCD General Fund to Cash Fund ratios and financial summary for State Fiscal Year 2023-24**

<b>Fiscal Year 2023-24 Financial Results</b>			
<b>Water Quality Control Division Budget:</b>	<b>TOTAL LB Spending Auth</b>	<b>Collected Revenue</b>	<b>Total Expenses</b>
<b>(A) Administration (GF:CF 56%:44%)</b>	<b>\$ 2,927,751</b>	<b>\$ 1,107,550</b>	<b>\$ 2,198,639</b>
General Fund	\$ 1,221,040		\$ 1,205,294
Cash Funds	\$ 962,784	\$ 1,107,550	\$ 670,346
Federal Funds	\$ 743,927		\$ 322,999
<b>(B) Clean Water Sectors (GF:CF 39%:61%)</b>	<b>\$ 11,239,052</b>	<b>\$ 5,396,450</b>	<b>\$ 9,007,507</b>
<b>Commerce and Industry Sector (GF:CF 51%:49%)</b>	<b>\$ 2,766,270</b>	<b>\$ 1,071,790</b>	<b>\$ 1,968,264</b>
General Fund	\$ 1,295,385		\$ 1,287,183
Cash Funds	\$ 1,241,767	\$1,071,790	\$ 451,964
Federal Funds	\$ 229,118		\$ 229,117
<b>Construction Sector (GF:CF 16%:84%)</b>	<b>\$ 2,597,023</b>	<b>\$ 2,277,186</b>	<b>\$ 2,386,796</b>
General Fund	\$ 381,946		\$ 379,774
Cash Funds	\$ 1,994,548	\$2,277,186	\$ 1,786,493
Federal Funds	\$ 220,529		\$ 220,529



<b>Municipal Separate Storm Sewer System Sector (GF:CF 49%/51%)</b>	<b>\$ 335,226</b>	<b>\$ 175,271</b>	<b>\$ 212,430</b>
General Fund	\$ 152,773		\$ 152,773
Cash Funds	\$ 157,790	\$175,271	\$ 47,193
Federal Funds	\$ 24,663		\$ 12,464
<b>Pesticides Sector (GF:CF 97%:3%)</b>	<b>\$ 232,240</b>	<b>\$ 11,425</b>	<b>\$ 217,744</b>
General Fund	\$ 207,070		\$ 207,070
Cash Funds	\$ 6,478	\$11,425	\$ -
Federal Funds	\$ 18,692		\$ 10,674
<b>Public and Private Utilities Sector (GF:CF 44%/56%)</b>	<b>\$ 5,062,883</b>	<b>\$ 1,815,675</b>	<b>\$ 4,187,862</b>
General Fund	\$ 2,028,840		\$ 2,022,210
Cash Funds	\$ 2,557,574	\$1,815,675	\$ 1,815,675
Federal Funds	\$ 476,469		\$ 349,977
<b>Water Quality Certification Sector (GF:CF 5%:95%)</b>	<b>\$ 245,410</b>	<b>\$ 45,103</b>	<b>\$ 34,411</b>
General Fund	\$ 10,280		\$9,504
Cash Funds	\$ 199,594	\$45,103	\$24,907
Federal Funds	\$ 35,536		\$0
<b>(C) Clean Water Program (GF:CF 87%:13%)</b>	<b>\$ 7,857,831</b>	<b>\$ 1,870,362</b>	<b>\$ 3,458,225</b>
General Fund	\$ 2,175,001		\$ 2,112,583
Cash Funds (1280,19T0)	\$ 5,682,830	\$1,870,362	\$ 1,345,642
Federal Funds	\$ 5,485,572		\$ 2,343,318
<b>(D) Drinking Water Program (GF:CF 89%:11%)</b>	<b>\$ 6,837,942</b>	<b>\$ 573,903</b>	<b>\$ 4,653,121</b>
General Fund	\$ 4,268,100		\$ 3,634,555
Cash Funds (16K0,WWF0)	\$ 554,257	\$573,903	\$ 136,207
Federal Funds	\$ 2,015,585		\$ 882,359
<b>Indirect</b>	<b>\$ 6,845,960</b>	<b>\$ 475,845</b>	<b>\$ 765,159</b>
General Fund			
Cash Funds	\$ 1,612,233	\$475,845	\$ 231,867
Federal Funds	\$ 5,233,727		\$ 533,292
<b>Total (GF:CF 51%:49%)</b>	<b>\$ 41,194,108</b>	<b>\$ 9,424,110</b>	<b>\$ 22,205,440</b>
General Fund	\$ 11,740,435		\$ 11,010,946
Cash Funds	\$ 14,969,855	\$ 9,424,110	\$ 6,510,294
Federal Funds	\$ 14,483,818	\$ -	\$ 4,684,200

### Financial summary permits and clean water programs

Table 2 summarizes the total permit fee revenue received in SFY 2023-24 (which reflects the most updated financials for the last twelve months) and the division's direct and indirect costs to administer permits and the clean water program. The total long bill spending authority includes both direct and indirect spending authority.

As described earlier, the Water Quality Control Commission adopted a 13 percent increase for both the Drinking Water and Commerce and Industry cash funds as part of the new Regulation 102. These fees will be effective in August 2024 so the additional revenue from fee increases will be realized later in FY 24-25.

**Table 2: Financial summary permits and clean water program SFY 2023-24**

Sector Budget:	TOTAL LB Spending Auth	Collected Revenue	Total Expenses
Commerce and Industry Cash Fund-2019	\$ 1,517,330	\$1,219,751	\$ 599,925
Construction Cash Fund -2021	\$ 2,693,522	\$2,585,908	\$ 2,095,216
Municipal Separate Storm Sewer System Cash Fund-2023	\$ 180,841	\$177,841	\$ 49,763
Pesticides Cash fund-2022	\$ 11,478	\$11,968	\$ -
Public/Private Utilities-2024	\$ 3,449,869	\$2,135,441	\$ 1,862,115
WQ Certifications Cash fund-2018	\$ 232,235	\$48,936	\$ 28,765
Wastewater Site Applications/Design*	\$-	\$389,636	\$ 389,636
Preliminary Effluent Limitation Determinations*	\$-	\$10,250	\$ 10,250
<b>Total</b>	<b>\$ 8,085,275</b>	<b>\$ 6,579,731</b>	<b>\$ 5,035,670</b>

\*Spending authority is included in the Public/Private Utilities row.

## Clean Water Program overview

The following is an overview of notable improvements to service, production, and processes that the division has implemented to meet the requirements of the Clean Water Act and the Colorado Water Quality Control Act. More details and information about the Clean Water Program can be found in Appendix A.

- In 2017, the General Assembly passed HB17-1285, which provided funding to maintain Clean Water and Water Quality Control Act services, specifically for the commerce and industry sector, municipal separate storm sewer system sector, and public and private utilities sector. The funding allowed the division to backfill positions that were held vacant for budget-balancing purposes. However, the funding the division received in 2017 was not sufficient enough to address permitting backlogs.
- The department received an increase in spending authority in SFY 2022-23. This increase was supported within existing fee structures for the construction and public and private utilities sector for permitting and compliance oversight. For permitting, this allowed the division to hire four new staff for permitting work and associated administrative support and has allowed the division to address an increase in construction general permit certifications, renew the construction stormwater general permit and maintain it as current, and provide two full-time exempt employees to address domestic wastewater permitting needs. With these resources, the division had 65% of permits current, close to the EPA goal of 75%. However, in 2022, the EPA updated its goal so that certain permits, specifically certifications under the construction general permit, could not be counted towards the goal. Starting in 2023, with this new way of calculating, the division only had about 25% of permits up to date. To address the Colorado Environmental Performance Partnership Agreement with EPA, the division must reach a goal of 75% up-to-date permits by September 31, 2028. In 2023, the General Assembly approved \$2.9 million in General Funds for SFY 2023-24 and 2024-25 to help the division start reducing permit backlogs while at the same time working with stakeholders to establish fees by rule and appropriate fee levels to deliver services. That process is still underway.
- In general, the number of permit actions completed has exceeded the baseline year (Oct. 2016 - Sept. 2017) but varies significantly from year to year based on the specific permits and sectors addressed, as well as the types of actions taken during that year. There was a decrease in individual permit renewals from Oct. 2021 - Sept. 2022 and from Oct. 2022 - Sept. 2023 because of permit team vacancies, time spent on extensive stakeholder work, and several complex permit renewals and modifications that were in progress during this period (which were issued after this report's time period). Total permit production in



2022-23, as measured by the number of final permit actions issued during the reporting year, decreased for all categories except the modification of general permit certifications. However, this accounting does not take into consideration overall production since significant work was produced in preparation for actions issued or to be issued in the current 2023-24 reporting year, including renewal of the construction stormwater and industrial stormwater general permits covering more than 7,000 facilities and several complex individual permits and certification.

- Since the baseline year, we have significantly reduced the time it takes to issue and modify construction sector general permits. We can attribute improvements to additional resources from HB15-1249 that focused on construction sector improvements and improved processes and technology.
- The division has reduced the total number of permits backlogged in comparison to the baseline year. However, the backlog has continued to grow in the public and private utility and the commerce and industry sectors, and this will not be sufficient to meet new EPA backlog targets. The division began filling these additional positions in 2023 and is training the new staff to support future renewals. If the division can maintain the resources and new permitting positions, the division anticipates an increase in the number of renewals to start becoming more evident in 2025.
- Enforcement actions remain higher than the baseline year due to process improvements and a strategy of issuing actions more proactively after initial violations are identified to drive a return to compliance before the public health and environmental impacts, number of violations, and size of the penalty increase. Although there was a decrease in the total number of enforcement actions issued in Oct. 2021 - Sept. 2022 from previous years, the number was similar to the baseline year, and Oct. 2022 - Sept. 2023 saw the number of actions again increase.

### Clean Water Program staffing levels

Since 2017, the Clean Water Program completed hiring related to HB17-1285, which was focused on maintaining existing services rather than reducing the backlog. The division added new positions for permitting and compliance inspections in 2022 and 2023, and the Clean Water Program is in the process of hiring additional positions in 2024 for permitting, engineering, and discharger-specific variances which will support permitting backlog reduction. The division did have a decrease in total full-time exempt employees from the baseline year in the Oct. 2022 - Sept. 2023 reporting year. This reduction is temporary and due to normal attrition – however, for the reporting year, the division experienced a higher rate of departures than typical over a short period of time. These departures were unrelated and reflect typical variability in attrition, such as staff moving out of state, being promoted, and seeking advancement opportunities outside the division. The division has already filled most of the resulting vacancies.

### Standards

The Clean Water Program is responsible for developing the science used by the Water Quality Control Commission (commission) to help establish water quality goals or “standards.” The commission sets statewide water quality standards to protect Colorado's water for uses such as drinking water, agricultural uses, recreational uses such as swimming and boating, and aquatic life. The federal Clean Water Act and the Colorado Water Quality Control Act allow statewide standards to be modified based on site-specific factors. Clean Water Program staff support the commission for all standards hearings. The level of standards development has been consistent throughout the reporting years.

### Permits

The federal Clean Water Act and the Colorado Water Quality Control Act prohibit the discharge of pollutants into state waters unless certain conditions are met. The Clean Water Program works to issue and manage permits for entities requesting to discharge pollutants into state waters. There has generally been an increase in the number of permit actions and timeliness since the baseline year as a result of efforts to implement process improvement

and efficiencies. Overall production of permit actions varies significantly from year to year for specific sectors and types of actions. Overall, there was a decrease in the number of actions completed in Oct. 2022 - Sept. 2023 compared to previous years, in part because the permits the division issued this last year were more complex. Vacancies in the Permits Section, training of new staff, a focus on stakeholder outreach, general permit renewals, and general permit certification renewals also contributed to reduced individual permit output in recent years. The division was also drafting several complex individual and master general permits that required significant division resources.

## Engineering

The Clean Water Program provides engineering review, compliance assistance, and technical assistance for domestic wastewater treatment facilities. This is achieved through area-wide wastewater facility planning, facility site approval, engineering plan review, compliance assistance, and comprehensive performance evaluation and construction inspections for facilities funded through the State Revolving Fund Program. The number of site approvals and design reviews completed varies slightly based on the specific actions taken in a given year but is still relatively consistent across reporting years.

## Inspections

Field inspections are a key component of the Clean Water Program's compliance assurance efforts. The Clean Water Program is responsible for conducting inspections of facilities subject to the federal Clean Water Act and Colorado Water Quality Control Act requirements. The number of inspections increased when compared to the baseline year and has been relatively consistent in subsequent reporting years. Due to funding constraints, the number of inspections completed for all sectors except the construction sector continues to not meet EPA national targets. For the construction sector, there has been variability over the last four years in the total number of inspections as the division has varied its use of reconnaissance inspections from year to year. This shift reflects adjustments in the compliance strategy and not a change in the level of oversight.

## Enforcement

The Clean Water Program is responsible for ensuring that the regulated community complies with the requirements of the Colorado Water Quality Control Act and its implementing regulations. Enforcement efforts can be placed into three broad categories: compliance assistance, informal compliance assurance, and formal enforcement activities. There was a decrease in the total number of enforcement actions commenced from Oct. 2021 - Sept. 2022, which then increased again from Oct. 2022 - Sept. 2023. However, this variability does not represent a change in strategy or the overall need for enforcement to address noncompliance and instead is indicative of the variability in the effort and timeline for enforcement depending on the nature of violations and the nature and scope of actions being performed.

**Table 3: Comparison of clean water activities for reporting years compared to the baseline year.**

Reporting Category	10/2017 - 9/2018 compared to baseline year	10/2018 - 9/2019 compared to baseline year	10/2019 - 9/2020 compared to baseline year	10/2020 - 9/2021 compared to baseline year	10/2021 - 9/2022 compared to baseline year	10/2022 - 9/2023 compared to baseline year
Program staffing levels	↑	↑	↔	↑	↑	↓
Standards development	↔	↔	↔	↔	↔	↔
Permit production	↑	↑	↑	↑	↑	↔



Reporting Category	10/2017 - 9/2018 compared to baseline year	10/2018 - 9/2019 compared to baseline year	10/2019 - 9/2020 compared to baseline year	10/2020 - 9/2021 compared to baseline year	10/2021 - 9/2022 compared to baseline year	10/2022 - 9/2023 compared to baseline year
Permit timeliness	↔	↑	↑	↑	↑	↑
Engineering reviews production	↔	↔	↔	↔	↔	↔
Inspection production	↑	↑	↑	↑	↑	↑
Enforcement actions	↔	↔	↑	↑	↓	↑

## Drinking Water Program overview

The Safe Drinking Water Program works to ensure that Colorado visitors and residents always have clean, safe drinking water. The sections within the Safe Drinking Water Program help administer the Safe Drinking Water Act, as authorized by Colorado law. The program also helps administer operator certification requirements adopted by the Water and Wastewater Facility Operator Certification Board. Below are some of the Program's accomplishments. More information about the Drinking Water Program can be found in Appendix D.

- The division regulates around 2,100 systems, but each year the division identifies more entities that meet the federal regulation of a public water system and thus become regulated.
- There have been no waterborne disease outbreaks in Colorado at a regulated public drinking water system since the *Salmonella* outbreak that struck Alamosa, Colorado in 2008. The division has actively implemented the recommendations produced from a thorough investigation report after the outbreak.
- In 2023, the commission adopted the federal Lead and Copper Rule Revisions after an extensive engagement process, primarily with regulated entities. The federal government have and will finalize three other major federal drinking water rules including a PFAS rule, Consumer Confidence Report Rule, and Lead and Copper Rule Improvements.
- In accordance with C.R.S. 25-1.5-(202)(3)(a), the division reviewed the drinking water priority list of contaminants for which a minimum general sanitary standard may be appropriate. The division determined that the list established in 2019 is sufficient at this time. The list is as follows:
  - PFOA: Chemical Abstract Service Number (CAS No.) 334-67-1.
  - PFOS: CAS No. 1763-23-1.
  - PFHxS: CAS No. 355-46-4.
  - PFNA: CAS No. 375-95-1.

## Drinking water program staffing levels

The Drinking Water Program has 86 staff and they primarily work in four sections: the compliance assurance section, the engineering section, the field services section, and the community development and partnership section. The activities involved in these teams include:

- Grants and loans.
- Training and assistance.
- Compliance and enforcement.

- Sanitary surveys.
- Engineer.
- Mobile home park program.
- Test and fix water for kids.

## Grants and loans

The division connects communities to grants and loans to help them repair or improve their drinking water and wastewater infrastructure. We supported approximately 186 projects this year that have or will receive funding assistance. Much of the funding the division provides comes from allocated Bipartisan Infrastructure Law funding through the federal Drinking Water and Water Pollution Control Revolving Fund.

## Training and assistance

As required by the 1996 Safe Drinking Water Act amendments, Colorado developed a comprehensive capacity development program to assist public water systems in developing technical, managerial, and financial capabilities to strengthen their ability to supply safe drinking water to the public. In 2023, the division hosted 53 group training events and provided one-on-one assistance to 104 public water systems.

## Compliance and enforcement

The compliance assurance section provides regulatory oversight and compliance assistance to all public water systems to help ensure Coloradans have access to clean drinking water. This section researches potential violations, issues formal enforcement actions, and provides technical assistance and training to water systems owners, drinking water operators, and certified laboratories. They also respond to customer complaints, maintain a robust website with drinking water information to promote transparency, and actively engage with stakeholders on regulatory, policy, and guidance changes. 91% of community water systems (i.e., towns, cities, mobile home parks, or homeowner associations) met all of the safety and health-based requirements.

## Sanitary surveys

The field services section conducts sanitary surveys of all public water systems. These in-person inspections are critical to evaluating drinking water infrastructure, ensuring resilience, and protecting public health. In 2023, the field services section conducted 491 sanitary surveys and identified significant deficiencies or violations in 71.6% of surveys. The section also inspected 86% of community surface water systems within the required frequency (every three years). This means that Colorado met the frequency requirements set forth in our primacy agreement with EPA.

## Engineering

The engineering section is involved in all drinking water infrastructure projects in Colorado. These projects, which average about \$230 million per year in capital cost, must be reviewed and approved by program engineers to ensure that the project will protect water quality. The engineering section within the Safe Drinking Water Program supports all aspects of the program and reviews the design, construction, and operation of public water systems to ensure public health is protected. In 2023, the section completed 279 reviews.

## Mobile Home Park Program

The Mobile Home Park Water Quality Act (HB23-1257), signed on June 5, 2023, creates a drinking water quality testing program for mobile home parks. The Act requires interviews with park residents, drinking water testing, test result notification, and remediation when a water quality issue is identified, plus a long-term Action Plan. The Action Plan identifies solutions and funding to address and improve water quality at parks based on engagement efforts and test results. There are about 750 mobile home parks in Colorado and the division has retained a contractor and began piloting testing mobile home parks.

## Test and Fix Water for Kids

This program implements HB22-1358, Testing of Drinking Water In Schools, Child Care Centers, and Family Child Care Homes Act, which mandates that all licensed child care facilities and public schools serving fifth grade and lower test all drinking water locations for lead by May 31, 2023. As of September 2023, the program enrolled 4,500 out of 6,000 potentially eligible licensed childcare providers, public elementary schools, and public elementary charter, or facility schools and tested 53,000 water samples for lead. Around 7% of samples tested above the five parts per billion action level and required further action. Through this program, 600,000 children have been protected from lead exposure through drinking water.

## Assessing and addressing emerging trends

The division's mission is to protect and restore Colorado's water quality for public health, the environment, and future generations, working towards our ultimate vision to have safe and clean water for all. Consistent with this mission, the division keeps an eye on emerging trends to try to determine what policies are needed and where to direct resources in the future.

### Changes at the federal level impacting division programs

The programs the division administers work in tandem with the federally administered programs established under the Clean Water Act and the Safe Drinking Water Act. Our state programs must meet minimum federal requirements under both of these statutes, and in areas where modification to federal rules results in less protection, Colorado must establish its own programs to fill in regulatory gaps if it wants to continue status quo protection. All major actions or initiatives at the federal level, therefore, impact the division's operations and inevitably require more resources for program administration.

There are three emerging trends at the federal level that we are monitoring in anticipation of future impacts on our programs. The first is EPA's ongoing initiative in the realm of drinking water which involves placing additional requirements on public water systems. States administering the Safe Drinking Water Act must adopt requirements that are at least as stringent as the corresponding federal requirements, and administration and enforcement of these increasingly complex regulations is challenging for many states, including Colorado. For example, with EPA's new Lead and Copper Rule Revisions, the division estimates we will need an additional 10 full-time exempt employees to effectively oversee and comply with the new requirements, yet the federal government has not provided additional funding to support those resource needs.

The second trend is the way in which the U.S. Supreme Court is altering longstanding laws that Colorado and other states have relied on for decades in administering their environmental programs. The most stark example of Supreme Court action that directly impacted the division was the May 2023 decision in *Sackett v. EPA*, which overturned over 50 years of precedent to drastically limit federal jurisdiction to protect the nation's waters. The Court left it up to the states to fill the gap, if they chose to do so. The Colorado General Assembly quickly rose to the challenge of maintaining status quo protection by enacting HB24-1379 to establish a dredge and fill permitting program. The division will administer this program and will require 4.7 additional full-time exempt employees.

Finally, in June 2024 the U.S. Supreme Court issued a decision in the companion cases of *Relentless v. Department of Commerce* and *Loper Bright Enterprises v. Raimondo* overturning the Court's *Chevron* doctrine that had been in place since 1984. The *Chevron* decision instructed courts to give deference to administrative agencies' interpretations of ambiguous statutory provisions, but this recent decision holds that it's primarily the judiciary's duty to interpret statutory provisions without considering the expertise of the agencies that administer federal laws. This ruling will greatly limit EPA's ability to promulgate scientifically-based regulations to implement the many broad provisions of environmental statutes, including the Clean Water Act and the Safe Drinking Water Act. It may result in states having to choose whether to fill gaps in environmental protection, as Colorado did with dredge and fill regulation after the *Sackett* decision.



## PFAS overview and action plan

Since first discovering contamination from a large group of human-made chemicals (scientifically referred to as per and polyfluoroalkyl substances or PFAS) in Colorado in 2016, the department has taken many steps towards addressing PFAS exposure to protect the places Coloradans live, learn, work, and play. Colorado's initial PFAS Action Plan, finalized in 2019, outlined an approach to minimize new contamination and respond to impacted communities. In the face of the ever-changing regulatory and scientific landscape, the department has a 2024 PFAS Action Plan to continue the work as a leader among states addressing widespread PFAS contamination.

The plan has three primary goals:

1. Identify and minimize Coloradans' exposure to PFAS.
2. Assess and provide information on PFAS health risks.
3. Limit the amount of PFAS entering the environment and address known PFAS contamination.

The PFAS action team collaborated with the Governor's Office, other state agencies, and external experts on potential actions we could commit to. The team worked to get input from the public and regulated entities on an updated PFAS action plan. The engagement effort consisted of two virtual meetings in English and Spanish in January and February of 2024, smaller community meetings, and the option for participants to submit written comments.

We anticipate publishing the updated PFAS action plan and a summary of the public comments received throughout the engagement process on our website by the end of 2024.

Additionally, the division has managed and issued over \$6 million in grant dollars since 2022 for sampling for PFAS sampling, infrastructure-related projects, emerging assistance, and the collection and replacement of firefighting foam containing PFAS. More details can be found in Appendix D.

## Division engagement with regulated entities and the public

The division values all perspectives from both regulated entities and the general public. When the division has to create or update regulations and policies, the division seeks feedback from all parties to inform the process. The division consistently seeks participation through mass email distribution methods, standing group meetings such as the Colorado Water Quality Forum, Colorado Drinking Water and Wastewater Utility Council, Colorado Water Congress, and environmental justice-focused community engagement. The division also reaches the general public through news outlets. In 2023, the division received and responded to 150 media inquiries. We also provide information through our water quality engagement website. Visitors can find information on the website about upcoming rulemaking hearings, proposed division initiatives, and how to provide feedback. The site also provides information on how to be notified about proposed permit revisions and ongoing enforcement actions.

Making our engagement activities accessible and easy to participate in is foundational. In 2022, the General Assembly passed HB22-1322 Water Quality Regulation, which sets minimum requirements for engaging with communities about water quality rulemaking efforts. This work includes hosting meetings at various times of the day and various days of the week, developing plain-language fact sheets in English and Spanish, and soliciting feedback from communities in a variety of ways. In 2023, the division engaged with stakeholders on 18 initiatives:

- 10-year Water Quality Roadmap.
- 303(d) Listing Methodology.
- Water Treatment Plant Wastewater Discharge General Permit.
- General Construction Stormwater Permit.
- Industrial Stormwater General Permit for Non-Extractive Industries.
- Policy 98-1 Guidance for Implementation of Colorado's Narrative Sediment Standard.
- Clean Water Webinar.

- Regulation 22- Historical Infrastructure and Construction Flexibility.
- Regulation 43- Onsite Wastewater Treatment System.
- Regulation 64- PFAS and Biosolids.
- Regulation 82- 401 Water Quality Certification Process.
- Regulation 86- Graywater Control.
- Regulation 11- Backflow Prevention and Cross-Connection Control Rule.
- Capacity Development- Minimum Required Course Content.
- Lead and Copper Rule Revisions.
- Policy 7- Backflow Prevention and Cross-Connection Control.
- PFAS Action Plan 2.0.
- Water Quality Fee-setting By Rule.

## Legislative recommendations

The department is continuing to evaluate the division's funding levels as part of the annual state budgeting process and as it continues to implement the requirements of SB23-274, Water Quality Control Fee-setting By Rule.

In addition, the department was impacted by an amendment to H24-1344, which added the new requirement to the Plumbing Practice Act that only licensed plumbers may inspect, test, and repair backflow prevention devices - equipment that prevents contaminants from entering drinking water from sources with connected piping. While installation and removal of these devices has historically been the responsibility of plumbers, the Colorado Primary Drinking Regulations (Regulation 11) have required that inspection, testing, and repair be performed by certified cross-connection control technicians (who may also be plumbers). A sizable industry has been established around this requirement, and for decades Colorado public water systems and their customers have relied on certified technicians to perform this work to comply with the Regulation 11 requirement for annual backflow prevention device testing. The enactment of HB24-1344 gave rise to grave concern from water utilities and certified technicians because there are not currently enough licensed plumbers in Colorado to accomplish regular testing to ensure safe drinking water supplies. The State Plumbing Board issued a policy on July 17, 2024, to signal its intent to forgo enforcement of HB24-1344 until full implementation through Board regulation. In the meantime, the department will coordinate with the Department of Regulatory Affairs and stakeholders to explore long-term solutions, including legislative recommendations.

## Conclusions

SFY23-24 set the stage for upcoming division efforts as it transitions to the new state fiscal year. With three major Safe Drinking Water federal rules passed by the end of 2024, an updated PFAS action plan, new hires to tackle the permit backlog, and a historical legislative victory to protect Colorado's waters, the division is gearing up for an exciting and transformative year in SFY 24-25. Beyond its routine operations, the division has a series of major initiatives on the horizon. With additional financial support from the General Assembly through SFY24-25, the division will continue work addressing the clean water permit and drinking water inspection backlog. The division will also launch engagement efforts to develop commission-adopted federal drinking water rules and create a new dredge and fill protection program. Additionally, it plans to close out the test and fix program for kids, conduct testing on 25% of all mobile home parks in the state, and drive forward efforts to transition all division fees from statute. Finally, the division aims to highlight its work through robust performance measures the division plans to develop with stakeholders. These monumental projects promise to make SFY 24-25 a landmark year for the division.



# Clean Water Program

Appendix A to the Water Quality Control Division Annual Report





## Section 1 Overview of Clean Water Program

The Clean Water Program within the Colorado Department of Public Health and Environment's (department) Water Quality Control Division (division) implements the federal Clean Water Act and the Colorado Water Quality Control Act. These acts focus on water quality protection and the restoration of Colorado's streams, rivers, lakes, reservoirs, wetlands, and groundwater. In addition, the Colorado Water Quality Control Act focuses on the protection of human health associated with the use of reclaimed domestic wastewater and graywater. The Clean Water Program regulates more than 9,000 permitted facilities under discharge permits and more than 1,500 additional facilities and activities under control regulations for reclaimed and biosolids. Examples of regulated entities include commercial and industrial facilities, mines, construction sites, municipal areas, and domestic wastewater treatment facilities. In addition to regulating these "point sources" of pollution, the Clean Water Program works with stakeholders across the state to address pollution sources that are not regulated, such as water runoff from agricultural areas, abandoned mines, and forested areas. These sources of pollution are called "nonpoint sources." The Clean Water Program manages the water quality of these point and nonpoint sources using a continuing planning process.

### Water quality management in Colorado

There are five pillars to the continuing planning approach for water quality management: information gathering, goal setting, protection and restoration, assurance, and assistance.

#### Information gathering

The Clean Water Program gathers scientific data and information that is used to determine the health of Colorado waters. This information is used for all parts of the continuing planning process and to ensure that water quality is protected for use by people, agriculture, and aquatic life. The Clean Water Program also develops information on the status of Colorado's streams and lakes and the compliance status of permittees. This information is available through EPA databases.

#### Goal setting

The Clean Water Program develops and presents scientific evidence to the commission so it can establish water quality goals to protect Colorado's waterways for drinking water, agricultural uses, recreational uses such as swimming and boating, and aquatic life.

#### Protection and restoration

The Clean Water Program issues permits to entities that discharge pollution to Colorado waters. Permit requirements meet goals established by the commission and ensure pollutant discharges comply with the statutes and rules set by the commission. The Clean Water Program also identifies areas across the state that are not achieving the commission's water quality goals and develops restoration plans for these waters. The Clean Water Program reviews site location and design for wastewater infrastructure across the state. Clean Water Program staff also respond to spills and other environmental releases to Colorado waters. Finally, the Clean Water Program certifies that federal permits and licenses are protective of Colorado's water quality goals.

#### Assurance

The Clean Water Program conducts oversight on the permits it issues. Oversight consists of onsite facility inspections and the evaluation of self-reported data required by the permit. Based on this oversight and the

Information gathering

Goal setting

Protection and restoration

Assurance

Assistance



severity of non-compliance with regulations, the Clean Water Program can issue compliance advisories, notices of violation, cease and desist orders, and/or penalties.

#### Assistance

The Clean Water Program provides assistance for all pillars described above. Domestic and stormwater facilities that are required to make infrastructure improvements to protect streams and lakes are eligible for subsidized financing and possibly grants. The Clean Water Program issues federal grants for regional water quality planning and to nonpoint sources that contribute to a waterbody not meeting its water quality goals. To help people and entities understand and comply with regulatory requirements, the Clean Water Program provides compliance assistance via telephone, email, guidance documents, and training. In addition, the Clean Water Program provides technical assistance to point source and nonpoint source dischargers. This technical assistance includes information on the technical and economic feasibility of treatment options and guidance on technical aspects of the commission's water quality goal-setting process.

## Section 2 Baseline year and reporting period

The established baseline is important for measuring the Clean Water Program's success moving forward. The division has maintained a baseline year of October 1, 2016, through September 30, 2017, which the division established during the first HB17-1285 report, submitted in March 2018. This baseline was selected because the Clean Water Program develops work plans based on the federal fiscal year, which runs from October through September. In addition, this timeframe was indicative of the Clean Water Program's resources as it began to restore staffing levels based on funding provided by HB17-1285.

## Section 3 Staffing summary

The division has summarized the following staff levels:

- The number of full-time equivalents assigned to and actively processing permits.
- The number of full-time equivalents assigned to and actively conducting inspections.
- The number of full-time equivalents assigned to and actively conducting site application and design reviews.
- The number of full-time equivalents assigned to and actively conducting enforcement actions.
- The number of full-time equivalents assigned to and actively developing rules and standards.

Table A1 below summarizes these categories by permitting sector. The permitting sectors include commerce and industry, construction, MS4s, pesticides, and public and private utilities. These sectors received funding as part of HB17-1285 to maintain Clean Water Program services. The Clean Water Program held vacancies prior to the passage of HB17-1285 but began to fill these vacancies prior to the 10/2017-9/2018 reporting year. The division did experience higher rates of vacancies between 10/2022 and 9/2023 largely due to standard attrition such as retirements and staff promotions. The division aims to hire 17 staff with the additional General Fund received in state fiscal year 2023-2024, but those hires will occur after the reporting year and so are not included in the table below.

**Table A1 Summary of full-time equivalents.**

Reporting year	Enforcement	Engineering	Inspections	Permits	Standards	Total
Commerce and industry						
10/2016-9/2017	1.5	0.1	2	5.3	2.4	11.3

Reporting year	Enforcement	Engineering	Inspections	Permits	Standards	Total
10/2017-9/2018	1.8	0.0	1.7	5.7	3.0	12.2
10/2018-9/2019	1.4	0.0	1.5	4.0	3.5	10.4
10/2019-9/2020	1.9	0.1	1.5	4.3	2.2	10.0
10/2020-9/2021	1.9	0.1	1.5	5.0	2.0	10.5
10/2021-9/2022	1.9	0.1	1.7	5	2.2	10.9
10/2022-9/2023	1.7	0.2	1.7	3	1.5	8.1
<b>Construction</b>						
10/2016-9/2017	1.9	0.0	8.8	2.3	0.0	13.0
10/2017-9/2018	1.3	0.0	8.6	2.5	0.0	12.4
10/2018-9/2019	2.2	0.0	8.1	2.2	0.0	12.5
10/2019-9/2020	1.5	0.0	7.4	2.9	0.1	11.9
10/2020-9/2021	1.3	0.0	7.9	2.2	0.1	11.5
10/2021-9/2022	1.5	0.0	7.8	2.9	0.1	12.3
10/2022-9/2023	1.5	0	5.4	3.9	0.1	10.9
<b>Municipal separate storm sewer systems</b>						
10/2016-9/2017	0.0	0.0	0.2	0.3	0.0	0.5
10/2017-9/2018	0.0	0.0	0.1	0.8	0.0	0.9
10/2018-9/2019	0.0	0.0	0.1	1.0	0.0	1.1
10/2019-9/2020	0.0	0.0	0.1	1.0	0.0	1.1
10/2020-9/2021	0.0	0.0	0.1	1.0	0.0	1.1
10/2021-9/2022	0.0	0.0	0.1	0.9	0.0	1.0
10/2022-9/2023	0.0	0.0	0.1	0.9	0.0	1.0
<b>Pesticides</b>						
10/2016-9/2017	0.0	0.0	0.7	0.0	0.0	0.7
10/2017-9/2018	0.0	0.0	1.0	0.0	0.0	1.0
10/2018-9/2019	0.0	0.0	1.0	0.0	0.0	1.0
10/2019-9/2020	0.0	0.0	1.0	0.0	0.0	1.0
10/2020-9/2021	0.0	0.0	1.0	0.0	0.0	1.0
10/2021-9/2022	0.0	0.0	1.0	0.0	0.0	1.0

Reporting year	Enforcement	Engineering	Inspections	Permits	Standards	Total
10/2022-9/2023	0.0	0.0	1.0	0.0	0.0	1.0
Public and private utilities						
10/2016-9/2017	2.6	3.8	2.9	3.1	3.6	16.0
10/2017-9/2018	2.9	3.9	3.2	6.0	3.0	19.0
10/2018-9/2019	2.4	3.9	3.9	6.8	2.5	19.5
10/2019-9/2020	2.3	3.7	2.8	6.0	3.7	18.6
10/2020-9/2021	1.8	4.2	3.5	6.2	3.6	19.3
10/2021-9/2022	1.8	3.7	3.9	6.4	3.7	19.5
10/2022-9/2023	2.4	3.9	2.8	5.7	2.4	17.1
Total						
10/2016-9/2017	6.0	3.9	14.6	11.0	6.0	41.5
10/2017-9/2018	6.0	3.9	14.6	15.0	6.0	45.5
10/2018-9/2019	6.0	3.9	14.6	14.0	6.0	44.5
10/2019-9/2020	5.7	3.8	12.8	14.2	6.0	42.6
10/2020-9/2021	5.0	4.3	14.0	14.4	5.7	43.4
10/2021-9/2022	5.2	3.8	14.5	15.2	6.0	44.7
10/2022-9/2023	5.5	4.1	11	13.5	4	38.1

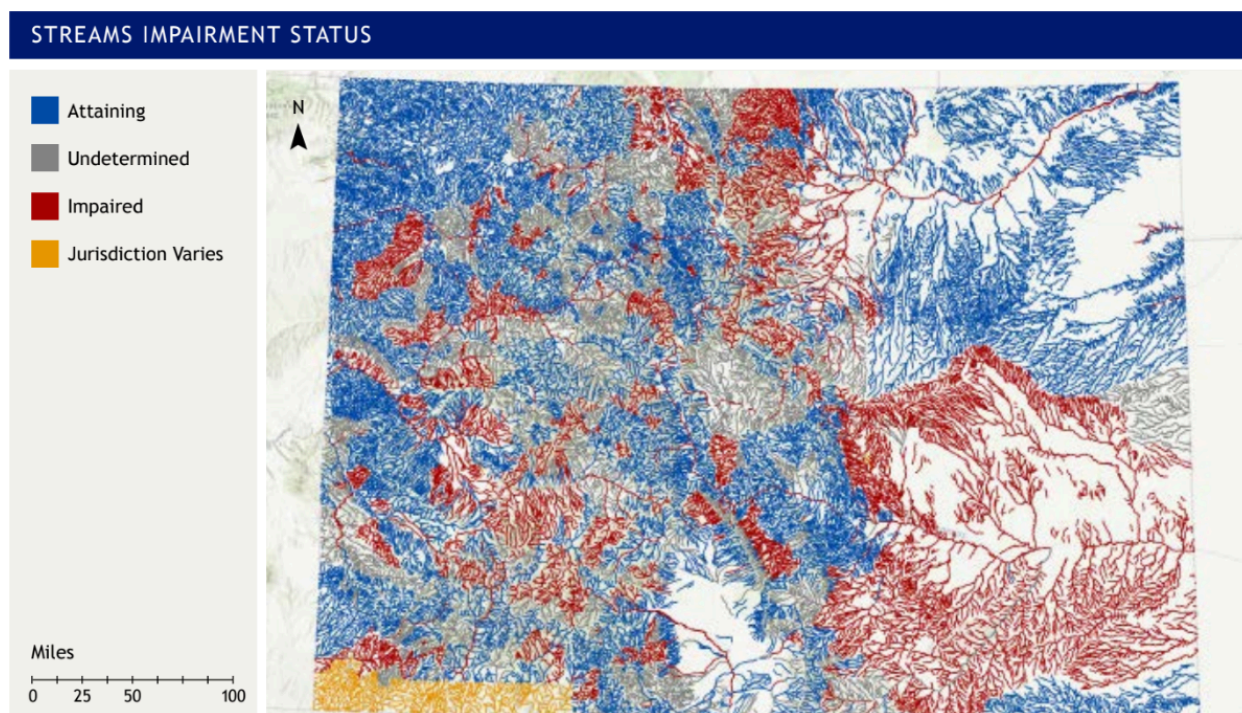
## Section 4 Information gathering

The watershed section works with partners to develop scientific and technological information to help improve, restore, and protect the quality of surface water and groundwater throughout the state. This is achieved through monitoring and assessment that identifies impaired waters that require restoration.

Colorado has over 105,344 miles of stream and 249,787 acres of lakes. The division uses a rotating basin approach for stream monitoring and samples the entire state over a five-year period. From January to June of 2022, the division mostly collected water samples from the South Platte River basin. The division sampled waters statewide from July 2022 through June 2023. Staff travel to additional targeted sites year-round for routine sampling. At these times, staff also perform biological and physical sampling and special studies. Monitoring benthic macroinvertebrates, periphyton, phytoplankton, and sediment provide indicators of the health of our water. Figure A1 below shows a map of the streams that are impaired in the state.

The division's nonpoint source and watershed analysis and implementation support programs are dedicated to restoring and protecting Colorado's watersheds by providing technical assistance, planning support and funding to local communities. In 2023, the division oversaw more than 30 projects and provided over \$9 million in total funding to help local communities improve water quality.

**Figure A1: Impaired streams in Colorado**



## Cyanotoxins

The division also collects information on toxic algae. Toxic algae and cyanobacteria, sometimes called blue-green algae, can produce toxins that can make people and animals sick and affect the environment. These algae put drinking water and outdoor activities at risk. The division’s dedicated toxic algae program started four years ago. While the program is still new, we have achieved much during the past year.

- Tested 31 individual lakes for algal toxins.
- Worked with federal and state government agencies, towns, local health departments, and private organizations to advise citizens of danger and to close affected water bodies for public use.
- Published the toxic algae webpage and toxic algae dashboard in Spanish.
- Continued to make improvements to the “Recent Conditions” map found on the toxic algae dashboard. This map allows users to view recent monitoring and testing results.

**Table A2 Waterbody that had positive toxin test and if the levels were below or above the advisory level.**

Waterbody with positive toxin test	HAB levels
Jumbo (Julesburg) Reservoir	Below advisory level
Vega Reservoir	Below advisory level
Crawford Reservoir	Below advisory level
Summit Reservoir	Below advisory level
Cherry Creek Reservoir	Above advisory level
DeWeese Reservoir	Above advisory level
Barr Lake	Above advisory level
Jackson Reservoir	Above advisory level



Waterbody with positive toxin test	HAB levels
Road Canyon Reservoir	Above advisory level
North Sterling Reservoir	Above advisory level
Prewitt Reservoir	Above advisory level
Red Rock Lake	Above advisory level
Windsor Lake (this was reported to CDPHE by Town of Windsor)	Above advisory level

## Section 5 Goal setting: Standards

The Watershed Section is responsible for developing the science utilized by the commission to help establish water quality goals, or “standards.” The commission sets water quality standards to protect Colorado’s water for uses such as drinking water, agriculture, recreation like swimming and boating, and aquatic life. In addition, the Watershed Section provides planning, technical, and financial support focused on restoration and protection. The section also certifies that federal permits and licenses (i.e., water supply projects) comply with state water quality requirements.

### 5.1 Comparison of Colorado and EPA water quality criteria

Water quality standards typically are expressed numerically. The commission establishes numeric water quality criteria to protect classified uses:

- Aquatic life: fish, aquatic invertebrates (e.g., insects, snails), and amphibians.
- Recreation: swimming, boating, wading, and water play.
- Agriculture: irrigation and livestock watering.
- Domestic water supply: drinking water supplies.

To establish Colorado criteria, the commission typically examines EPA criteria to determine if they should be modified to reflect conditions in Colorado. Table A3 compares Colorado’s and EPA’s criteria. For reporting years ending 9/2017 through 9/2019, there were no changes between reporting years. There were slight changes in the 10/2019-9/2020 reporting year due to the commission’s December 2019 adoption of EPA’s cadmium criteria for aquatic life, April 2020 adoption of a new hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) water supply criterion (less stringent than EPA), and April 2020 update of the chrysene aquatic life and domestic water supply combination criterion (less stringent than EPA). There were slight changes in the 10/2020-9/2021 reporting year due to the commission’s June 2021 adoption of EPA’s carbaryl and acrolein criteria for aquatic life. There were no changes in the 10/2021-9/2022 reporting year. There were slight changes in the 10/2022-9/2023 reporting year due to the commission’s June 2021 adoption of revised nitrogen and phosphorus standards for aquatic life and recreation. In April 2023, the commission adopted new lakes criteria for nitrogen and phosphorus that are more or less stringent than the criteria from EPA, depending on the characteristics of the waterbody (EPA’s criteria are calculated using site-specific input factors and vary widely depending on site-specific conditions).

**Table A3 Comparison of Colorado’s and EPA’s water quality criteria.**

Classified use	Number of Colorado criteria that are the <u>same</u> as EPA criteria	Number of Colorado criteria that are <u>more stringent</u> than EPA criteria	Number of Colorado criteria that are <u>less stringent</u> than EPA criteria	Total
Aquatic life				

Classified use	Number of Colorado criteria that are the <u>same</u> as EPA criteria	Number of Colorado criteria that are <u>more stringent</u> than EPA criteria	Number of Colorado criteria that are <u>less stringent</u> than EPA criteria	Total
As of 9/30/2017	35 (74%)	4 (9%)	8 (17%)	47
As of 9/30/2018	35 (74%)	4 (9%)	8 (17%)	47
As of 9/30/2019	35 (74%)	4 (9%)	8 (17%)	47
As of 9/30/2020	36 (77%)	3 (6%)	8 (17%)	47
As of 9/30/2021	38 (79%)	3 (6%)	7 (15%)	48
As of 9/30/2022	38 (79%)	3 (6%)	7 (15%)	48
As of 9/30/2023	40 (83%)	3 (6%)	5 (10%)	48
<b>Recreation</b>				
As of 9/30/2017	0 (0%)	0 (0%)	1 (100%)	1
As of 9/30/2018	0 (0%)	0 (0%)	1 (100%)	1
As of 9/30/2019	0 (0%)	0 (0%)	1 (100%)	1
As of 9/30/2020	0 (0%)	0 (0%)	1 (100%)	1
As of 9/30/2021	0 (0%)	0 (0%)	1 (100%)	1
As of 9/30/2022	0 (0%)	0 (0%)	1 (100%)	1
As of 9/30/2023	0 (0%)	0 (0%)	1 (100%)	1
<b>Agriculture</b>				
As of 9/30/2017	21 (91%)	1 (4%)	1 (4%)	23
As of 9/30/2018	21 (91%)	1 (4%)	1 (4%)	23
As of 9/30/2019	21 (91%)	1 (4%)	1 (4%)	23
As of 9/30/2020	21 (91%)	1 (4%)	1 (4%)	23
As of 9/30/2021	21 (91%)	1 (4%)	1 (4%)	23
As of 9/30/2022	21 (91%)	1 (4%)	1 (4%)	23
As of 9/30/2023	21 (91%)	1 (4%)	1 (4%)	23
<b>Domestic water supply</b>				
As of 9/30/2017	79 (91%)	6 (7%)	1 (2%)	86
As of 9/30/2018	79 (91%)	6 (7%)	1 (2%)	86
As of 9/30/2019	79 (91%)	6 (7%)	1 (2%)	86
As of 9/30/2020	79 (91%)	6 (7%)	2 (2%)	87
As of 9/30/2021	79 (91%)	6 (7%)	2 (2%)	87

Classified use	Number of Colorado criteria that are the <u>same</u> as EPA criteria	Number of Colorado criteria that are <u>more stringent</u> than EPA criteria	Number of Colorado criteria that are <u>less stringent</u> than EPA criteria	Total
As of 9/30/2022	79 (91%)	6 (7%)	2 (2%)	87
As of 9/30/2023	79 (91%)	6 (7%)	2 (2%)	87
<b>Aquatic life and domestic water supply combination</b>				
As of 9/30/2017	13 (13%)	31 (32%)	54 (55%)	98
As of 9/30/2018	13 (13%)	31 (32%)	54 (55%)	98
As of 9/30/2019	13 (13%)	31 (32%)	54 (55%)	98
As of 9/30/2020	13 (13%)	30 (31%)	55 (56%)	98
As of 9/30/2021	13 (13%)	30 (31%)	55 (56%)	98
As of 9/30/2022	13 (13%)	30 (31%)	55 (56%)	98
As of 9/30/2023	13 (13%)	30 (31%)	55 (56%)	98

### Aquatic life

For aquatic life, table A3 shows that Colorado has three criteria more stringent than EPA criteria. For these criteria (cyanide, silver, and aldrin) the commission does not plan to revise the criteria to match EPA's. The Colorado criteria are close to the same magnitude as EPA's criteria, and regulated entities are not facing compliance issues with these criteria. The commission adopted cadmium aquatic life criteria consistent with EPA's criteria in December 2019.

Table A3 shows that Colorado has five aquatic life criteria less stringent than EPA criteria. For three of these criteria (chlorophyll 'a', ammonia, and selenium), the Clean Water Program has developed a 10-year plan for coordinating with stakeholders on new criteria. EPA has published revised federal criteria for ammonia (in 2013) and selenium (in 2016) that reflect the latest science regarding these constituents and aquatic life protection. Colorado has not yet adopted these federal criteria. Colorado updated its aquatic life criteria for acrolein during the June 2021 Regulation No. 31 rulemaking hearing and the criteria are now the same as EPA's criteria. For the other two criteria (aluminum and zinc) that are less stringent than EPA, the Clean Water Program does not have plans to recommend criteria revisions to the commission.

Colorado adopted revised criteria for nitrogen and phosphorus for lakes in 2023. These criteria were derived using a different methodology from what was used to derive EPA's criteria. EPA's approach to nutrient criteria uses site-specific considerations, and depending on the site-specific input parameters used to calculate EPA's nutrient criteria, Colorado's revised statewide nutrient criteria can be more or less stringent than EPA's criteria. Therefore, nitrogen and phosphorus were moved from the "less stringent than EPA" category to the "same as EPA" category in 2023 (Table A3).

### Recreation

EPA's E. coli criteria are generally more stringent and complex than Colorado's criteria. However, the criterion applied to most Colorado waterbodies (which have existing primary contact recreation) is the same as EPA's criterion.

### Agriculture

Colorado's criteria are mostly the same as EPA's. Colorado has one criterion that is more stringent than EPA's (pH)

and one criterion that is less stringent (molybdenum), as shown in Table A3. The Clean Water Program does not have plans to recommend revised criteria to the commission for pH or molybdenum.

#### Domestic water supply

Colorado has six criteria more stringent than EPA's (barium, copper, fluoride, picloram, silver, total coliforms). The Clean Water Program does not recommend the commission focus on revising these criteria, as the Colorado criteria are similar in magnitude to EPA's, and regulated entities are not facing compliance issues with these criteria. In April 2020, Colorado adopted a new hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) water supply criterion that is less stringent than EPA's.

#### Aquatic life and domestic water supply combination

The commission adopted a number of criteria that apply to both domestic water supply and aquatic life consumed by humans (i.e., water + fish and fish ingestion). These are considered together because they use similar toxicological information based on human consumption of pollutants. EPA updated these criteria in 2015 to reflect that Americans, on average, drink more water and weigh more than when the criteria were originally developed. In April 2020, Colorado updated its chrysene aquatic life and domestic water supply combination criterion and it is now less stringent than EPA.

### 5.2 Standards modified based on site-specific factors

The federal Clean Water Act and the Colorado Water Quality Control Act allow statewide standards to be modified based on site-specific factors. Standards that are modified on a site-specific basis are summarized in the commission's Regulations 32 through 38 (5 CCR 1002-32 through 5 CCR 1002-38). Standards modified on a site-specific basis are typically less stringent than the statewide standards. When these standards are used in permits, they provide regulatory flexibility. Modifying standards on a site-specific basis generally helps resolve an existing or predicted compliance issue.

There are multiple site-specific tools that can be used to modify a statewide standard. All of these tools require staff time to evaluate site-specific information, examine the condition of the classified use the standard is meant to protect and work with stakeholders to formulate recommendations to the commission. Colorado is a national leader in developing site-specific standards that are still protective of classified uses.

In Colorado, there are three major site-specific tools used to modify a statewide standard: site-specific standards, temporary modifications, and variances. Site-specific numeric standards are modifications of statewide standards, based on consideration of site-specific factors such as water chemistry or aquatic life. Temporary modifications are adopted by the commission when there is uncertainty about the statewide standard and what the long-term solution or goal for a given site may be moving forward. Variances recognize specific solutions for point sources where it is not feasible to achieve the statewide standard. Table A4 shows the relative breakout of standards tools that have been adopted in segments for the major river basins across the state. Arsenic temporary modifications are shown separately in Table A4 due to the adoption of a statewide temporary modification for arsenic in 2013. Temperature site-specific standards are included by themselves in Table A4 because site-specific temperature standards have been a review element of focus for the commission in recent rulemaking hearings. Except for non-arsenic temporary modifications, the number of temporary modifications, variances, and site-specific standards has been relatively consistent throughout the reporting years. The commission and division have been working to decrease the number of non-arsenic temporary modifications as there are better solutions to drive long term water quality solutions and resolve the uncertainty of underlying standards. This effort is reflected in the results of Table A4. For reporting year 10/2022-9/2023, the overall number of non-arsenic temporary modifications remained the same at 12 statewide.



**Table A4 Number of temporary modifications, variances, and site-specific standards across the state.**

Basin	Temporary modifications		Variances	Site-specific standards	
	Non-arsenic temporary modifications	Arsenic temporary modifications	Variances	Temperature site-specific standards	Non-temperature site-specific standards
<b>Arkansas</b>					
As of 9/30/2017	35	53	1	10	77
As of 9/30/2018	33	53	3	10	85
As of 9/30/2019	4	52	3	10	85
As of 9/30/2020	1	52	3	10	77
As of 9/30/2021	0	53	3	10	77
As of 9/30/2022	0	53	3	9	59
As of 9/30/2023	0	53	3	9	59
<b>Colorado</b>					
As of 9/30/2017	3	64	0	14	44
As of 9/30/2018	2	67	0	15	43
As of 9/30/2019	2	64	0	17	55
As of 9/30/2020	2	64	0	17	38
As of 9/30/2021	3	64	0	17	38
As of 9/30/2022	1	64	0	11	38
As of 9/30/2023	1	64	0	11	38
<b>Gunnison</b>					
As of 9/30/2017	5	52	1	4	81
As of 9/30/2018	5	52	1	9	81
As of 9/30/2019	5	52	1	9	81
As of 9/30/2020	5	52	1	9	33
As of 9/30/2021	4	52	1	9	33
As of 9/30/2022	2	51	1	9	31
As of 9/30/2023	2	51	1	9	30
<b>Rio Grande</b>					
As of 9/30/2017	10	28	0	4	60
As of 9/30/2018	2	31	0	6	68

Basin	Temporary modifications		Variances	Site-specific standards	
	Non-arsenic temporary modifications	Arsenic temporary modifications	Variances	Temperature site-specific standards	Non-temperature site-specific standards
As of 9/30/2019	0	31	0	6	68
As of 9/30/2020	0	31	0	6	52
As of 9/30/2021	0	31	0	6	52
As of 9/30/2022	0	31	1	6	51
As of 9/30/2023	0	31	1	6	51
San Juan					
As of 9/30/2017	4	60	1	11	46
As of 9/30/2018	4	60	1	13	46
As of 9/30/2019	4	60	1	13	46
As of 9/30/2020	4	60	1	13	33
As of 9/30/2021	2	60	3	13	33
As of 9/30/2022	0	55	3	12	30
As of 9/30/2023	0	55	3	12	30
South Platte					
As of 9/30/2017	55	93	1	19	89
As of 9/30/2018	53	99	1	19	94
As of 9/30/2019	42	97	1	19	94
As of 9/30/2020	7	118	1	15	88
As of 9/30/2021	5	117	1	15	88
As of 9/30/2022	4	117	2	13	91
As of 9/30/2023	4	117	2	12	91
Yampa/White					
As of 9/30/2017	7	34	0	7	14
As of 9/30/2018	9	35	0	7	12
As of 9/30/2019	10	37	0	7	10
As of 9/30/2020	10	37	0	7	10
As of 9/30/2021	7	37	1	7	10

Basin	Temporary modifications		Variances	Site-specific standards	
	Non-arsenic temporary modifications	Arsenic temporary modifications	Variances	Temperature site-specific standards	Non-temperature site-specific standards
As of 9/30/2022	5	37	1	3	10
As of 9/30/2023	5	37	1	3	10
Statewide					
As of 9/30/2017	119	384	4	69	411
As of 9/30/2018	108	397	6	79	429
As of 9/30/2019	67	393	6	81	439
As of 9/30/2020	29	414	6	77	331
As of 9/30/2021	21	414	9	77	331
As of 9/30/2022	12	408	11	63	310
As of 9/30/2023	12	408	11	62	309

The commission has established waterbody segments across the state, and each segment has standards applied to it based on each segment's classified uses. Table A5 summarizes the number of segments with temporary modifications, variances, and site-specific standards by major river basin. The number of these actions has been fairly consistent for all reporting years. Across the state and for the 10/2022-9/2023 reporting year, 38% of segments have temporary modifications, less than one percent have variances, and 18% of stream segments have site-specific standards.

**Table A5 Number of segments with temporary modifications, variances, and site-specific standards across the state.**

Basin	No. of segments	Temporary modifications	Variances	Site-specific standards
Arkansas				
As of 9/30/2017	150	56	1	37
As of 9/30/2018	156	56	2	42
As of 9/30/2019	156	53	3	42
As of 9/30/2020	156	52	2	37
As of 9/30/2021	156	53	2	37
As of 9/30/2022	156	53	2	33
As of 9/30/2023	156	53	2	33
Colorado				

Basin	No. of segments	Temporary modifications	Variances	Site-specific standards
As of 9/30/2017	131	65	0	24
As of 9/30/2018	131	68	0	23
As of 9/30/2019	129	65	0	35
As of 9/30/2020	129	65	0	27
As of 9/30/2021	129	66	0	27
As of 9/30/2022	129	64	0	22
As of 9/30/2023	129	64	0	22
<b>Gunnison</b>				
As of 9/30/2017	152	52	1	44
As of 9/30/2018	152	52	1	48
As of 9/30/2019	152	52	1	48
As of 9/30/2020	152	52	1	37
As of 9/30/2021	152	52	1	37
As of 9/30/2022	158	51	1	34
As of 9/30/2023	158	51	1	34
<b>Rio Grande</b>				
As of 9/30/2017	104	29	0	20
As of 9/30/2018	107	32	0	24
As of 9/30/2019	107	31	0	24
As of 9/30/2020	107	31	0	18
As of 9/30/2021	107	31	0	18
As of 9/30/2022	107	31	1	18
As of 9/30/2023	107	31	1	18
<b>San Juan</b>				
As of 9/30/2017	169	64	1	34
As of 9/30/2018	169	64	1	35
As of 9/30/2019	169	64	1	35
As of 9/30/2020	169	64	1	32



Basin	No. of segments	Temporary modifications	Variances	Site-specific standards
As of 9/30/2021	169	62	1	32
As of 9/30/2022	170	55	3	28
As of 9/30/2023	170	55	3	28
<b>South Platte</b>				
As of 9/30/2017	228	105	2	46
As of 9/30/2018	233	112	2	49
As of 9/30/2019	233	106	1	49
As of 9/30/2020	230	122	2	50
As of 9/30/2021	230	121	2	50
As of 9/30/2022	230	121	3	51
As of 9/30/2023	230	121	3	50
<b>Yampa/White</b>				
As of 9/30/2017	134	39	0	14
As of 9/30/2018	134	42	0	12
As of 9/30/2019	135	44	0	14
As of 9/30/2020	135	44	0	14
As of 9/30/2021	135	44	1	14
As of 9/30/2022	135	41	1	11
As of 9/30/2023	135	41	1	11
<b>Statewide</b>				
As of 9/30/2017	1,068	410	5	219
As of 9/30/2018	1,082	426	6	233
As of 9/30/2019	1,081	415	6	247
As of 9/30/2020	1,078	430	6	215
As of 9/30/2021	1,078	429	9	215
As of 9/30/2022	1,085	416	11	197
As of 9/30/2023	1,085	416	11	196

### 5.3 Establishment of any new rules and standards

Since October 2022, the Watershed Section worked on the following standards development actions and rulemaking hearing proceedings:

**April 2023:** A statewide lakes nutrients rulemaking hearing. This hearing focused on the adoption of lakes nutrients standards for total phosphorus and total nitrogen in the Basic Standards and Methodologies for Surface Water (Regulation No. 31). The commission adopted these new standards for select lakes and reservoirs across the state in Regulation Nos. 32-38. This hearing also considered changes to the statewide nutrient control regulation (Regulation No. 85).

**October 2023:** Discharger-specific variances and site-specific standards rulemaking hearing. This hearing was a limited-scope rulemaking hearing that reviewed existing variances nearing expiration and a limited number of site-specific standards. The division also worked with disproportionately impacted communities to pursue subsequent variances where appropriate.

**June 2024: A statewide molybdenum rulemaking hearing.** This hearing focused on the adoption of revised molybdenum standards (for the domestic water supply use) in the Basic Standards and Methodologies for Surface Water (Regulation No. 31).

**June 2024: Discharger-specific variances rulemaking hearing.** This was a limited-scope rulemaking hearing to review existing variances nearing expiration. The division also worked with disproportionately impacted communities to pursue subsequent variances where appropriate.

**June 2024: Basin regulations rulemaking hearing.** This limited-scope rulemaking hearing reviewed specific standards changes in the basin regulations for the Arkansas River Basin (Regulation No. 32), the Upper Colorado River Basin (Regulation No. 33), the Rio Grande Basin (Regulation No. 36) and the Lower Colorado River Basin (Regulation No. 37).

**June 2024: Biennial temporary modifications rulemaking hearing.** This hearing focused on the review of existing temporary modifications statewide.

During the federal fiscal year October 2024-September 2025, no new or revised criteria development actions are planned. The division currently has a June 2025 rulemaking hearing to review existing discharge specific variances and temporary modifications statewide that are up for review. The division is also working with disproportionately impacted communities to pursue subsequent and new variances where appropriate.

## Section 6 Protection and restoration: permits

The federal Clean Water Act and the Colorado Water Quality Control Act prohibit the discharge of pollutants to state waters unless those discharges do not compromise the uses of those waters. The Permits Section works to issue and manage permits for entities requesting to discharge pollutants into state waters through the Colorado Discharge Permit System. For discharges to surface water, the section processes permits as part of EPA's National Pollution Discharge Elimination System, as EPA has delegated Colorado the authority to issue these permits. For discharges to groundwater, permits are issued solely under the Colorado Water Quality Control Act. Additionally, the Permits Section develops preliminary effluent limitations for planning purposes, and issues reclaimed water authorizations, authorizations for biosolids application, and authorizations for pretreatment discharges to domestic wastewater systems from industrial facilities. The section also manages data collection and storage to ensure that collected data meets internal data standards and EPA requirements.

Tables A6 through A9 summarize the number of permits that were issued/reissued, modified, or administratively continued for all the reporting years. Permits have five-year terms. Issued permits are permits that are new and issued for the first time. For a reissued permit, the permittee filed a renewal application to continue their discharge, and the Clean Water Program has processed the renewal. A permit modification is a change to an existing permit during its five year term. Administratively continued permits are permits that have expired, but the Clean Water Program has received a renewal application at least 180 days prior to the expiration date of the

permit. If the Clean Water Program receives a complete application but does not renew the permit prior to the expiration date, the permit is automatically administratively continued, and the permittee is still authorized to discharge under the terms and conditions of its expired permit. Administratively continued permits cannot be modified.

Tables A6 and A7 display the number of individual permits and general permit certifications issued/reissued for all of the reporting years by the sector the Clean Water Program regulates. Again, the permitting sectors include commerce and industry, construction, MS4s, pesticides, and public and private utilities. An individual permit is written to reflect site-specific conditions of a single discharger based on information submitted by that discharger in a permit application and is unique to that discharger. A general permit is written to cover multiple dischargers with similar operations and types of discharges based on the permit writer's professional knowledge of those types of activities and discharges. A general permit certification authorizes a permittee to discharge under the general permit and contains additional discharge specific conditions as necessary.

Table A6 shows that, on average, the number of individual permits that were issued/reissued has increased over the baseline year. Table A7 shows the total number of general permit certifications that were issued/reissued. The number of issued/reissued commerce and industry certifications in 10/2016-9/2017 and construction certifications in 10/2018-9/2019 significantly increased because those certifications were renewed following the renewals of the overarching general permits.

Tables A8 and A9 show the number of individual permits and general permit certifications that were modified by sector for all of the reporting years. As previously mentioned, a permit modification is a change to an existing permit during its term. The number of modifications requested varies by year so fluctuations are expected. Prior to 2020, the number of general permit certification modifications did not include modifications of construction stormwater general permit certifications, which are typically modified to reflect changes of acreage covered by the certification and were not accessible from EPA databases used to generate information for this report. This information became available for the construction stormwater general permit partway through the 10/2019-9/2020 reporting year, so that year does not include a full twelve months of data. The number of these modifications had increased significantly from the baseline year, and the division attributes this to the construction industry's increased use of the online modification form. Appendix B provides a list of permits and certifications that were modified for this year's reporting year. Note that some permits and certifications had multiple modifications during the reporting year.

Overall, for permitting actions tracked in tables A6 through A9, below, there was a decrease in total number of actions completed in 10/2022-9/2023 compared to previous years, with the exception of general certification modifications (table A9 for which there was still a decrease compared to the previous three years but the number of actions remain higher than prior to 2020). During this period, the division did work on several complex individual and master general permits that required significant division resources and years to draft, but these complex permits were issued in the 2023-2024 federal fiscal year, which is outside of this report's reporting years. However, overall permit actions are lower than in previous years which can be attributed to vacancies in the Permits Section, training of new staff, and a focus on general permit certification renewals. Specifically, during 10/2022-9/2023 the division had a higher than normal vacancy rate in the domestic and commerce and industry sectors. Training several new staff in the domestic sector also slowed the rate of production for more complex permitting actions. In addition, the Permits Section has engaged with permittees and the public on multi-year stakeholder efforts to address temperature standards implementation, chemical evaluations, antidegradation non-impact limits, and antidegradation alternatives analyses. However, some of the outcomes of these stakeholder efforts has led to increased workload for the Permits Section which also contributes to the reduced output. For example, in 2020 as a response to permittee concerns about not being able to modify administratively continued permits, the division introduced a new method of providing water quality planning targets - a non-binding permit with a delayed effective date. However, the implementation experience over recent years has shown that the new process has resulted in more work for permittees and the Clean Water Program rather than less. This is because the division has to many times modify or rescind these non-binding permit documents to

accommodate delays in financing or construction, adding to the division's workload and contributing to the increased modification requests and permit backlog. In response, the Clean Water Program began streamlining Regulation 22 (Site Location and Design Regulations) implementation in 2024 for domestic wastewater permittees so that the division's engineering team could review and approve permittees site application and designs using treatment targets the permittee plans for. The result being the permittee wouldn't have to wait for final permit documents to start the engineering design review process, the approved plans would still protect water quality, and the permits team would be able to modify and issue final permits with updated and protective limits that would not impact previously approved engineering plans

**Table A6 Number of individual permits issued/reissued by sector.**

Reporting period	Commerce and industry	Construction	Municipal separate storm sewer system	Pesticides	Public and private utilities	Total
10/2016-9/2017	4	2	0	0	5	11
10/2017-9/2018	15	1	0	0	22	38
10/2018-9/2019	10	0	0	0	29	39
10/2019-9/2020	6	0	1	0	16	23
10/2020-09/2021	4	0	1	0	11	16
10/2021-09/2022	1	0	1	0	0	2
10/2022-09/2023	0	0	0	0	0	0

**Table A7 Number of issued/reissued general permit certifications by sector.**

Reporting period	Commerce and industry	Construction	Municipal separate storm sewer system	Pesticides	Public and private utilities (GW & SW)	Total
10/2016-9/2017	658	2199	5	0	19	2881
10/2017-9/2018	128	2008	1	0	7	2144
10/2018-9/2019	76	6367	0	0	36	6479
10/2019-9/2020	34	1896	1	3	43	1977
10/2020-9/2021	142	2259	5	8	40	2454
10/2021-9/2022	83	2061	49	0	40	2233
10/2022-9/2023	55	1765	0	0	16	1836

**Table A8 Number of individual permit modifications by sector.**

Reporting Period	Commerce and Industry	Construction	Municipal Separate Storm Sewer System	Pesticides	Public and Private Utilities	Total
10/2016-9/2017	24	1	2	0	26	53
10/2017-9/2018	12	0	0	0	15	27

10/2018-9/2019	12	0	0	0	17	29
10/2019-9/2020	17	1	1	0	18	37
10/2020 - 9/2021	18	0	1	0	33	52
10/2021 - 9/2022	11	1	1	0	16	29
10/2022 - 9/2023	3	0	1	0	9	13

**Table A9 Number of general permit certification modifications by sector.**

Reporting Period	Commerce and Industry	Construction	Municipal Separate Storm Sewer System	Pesticides	Public and Private Utilities (GW & SW)	Total
10/2016-9/2017	68	52	0	0	21	141
10/2017-9/2018	77	49	0	0	18	144
10/2018-9/2019	37	71	0	0	10	118
10/2019-9/2020	78	734	2	1	37	852
10/2020 - 9/2021	70	1848	0	0	53	1971
10/2021 - 9/2022	68	1582	5	0	10	1665
10/2022 - 9/2023	59	653	1	0	39	752

Tables A10 and A11 show the number of individual and general permit certifications that the division administratively continued for all reporting years. Again, administratively continued permits are permits that have expired, but the Clean Water Program has received a renewal application at least 180 days prior to the expiration date of the permit. If the Clean Water Program receives a complete application but does not renew the permit prior to the expiration date, the permit is automatically administratively continued and the permittee is still authorized to discharge under the terms and conditions of the expired permit. The Clean Water Program administratively continues both individual and general permits. The number of continued general permit certifications for the commerce and industry and construction sectors are variable due to the expiration of general permits that cover very large numbers of certifications. There is significant variability in the number of individual permits that expire and become continued each year and is influenced by the number of permits issued five years prior.

**Table A10 Number of individual permits administratively continued by sector.**

Reporting period	Commerce and industry	Construction	Municipal separate storm sewer system	Pesticides	Public and private utilities	Total
10/2016-9/2017	7	0	1	0	36	44
10/2017-9/2018	16	0	0	0	39	55
10/2018-9/2019	3	0	0	0	19	22
10/2019-9/2020	9	0	1	0	47	57
10/2020 - 9/2021	20	0	0	0	55	75
10/2021 - 9/2022	7	0	0	0	16	23



10/2022 - 9/2023	10	3	0	0	9	22
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**Table A11 Number of general permit certifications administratively continued by sector**

Reporting period	Commerce and industry	Construction	Municipal separate storm sewer system	Pesticides	Public and private utilities	Total
10/2016-9/2017	2	1854	3	0	16	1875
10/2017-9/2018	89	1664	0	0	5	1758
10/2018-9/2019	62	223	0	0	1	286
10/2019-9/2020	35	237	1	0	7	280
10/2020 - 9/2021	24	34	0	0	15	73
10/2021 - 9/2022	551	6	57	0	0	614
10/2022 - 9/2023	1	20	0	0	2	23

In addition to the production measures presented above, the Clean Water Program tracks the timeliness of permit issuance. One way to measure permit timeliness is to examine permit backlog. Permits that have been administratively continued for 180 days or more beyond their expiration date are considered to be backlogged.

The department's 2022-2024 Performance Partnership Agreement (PPA) with EPA required that backlog be maintained at less than 25% for this reporting year. If the backlog exceeded 35%, the EPA would require the division to develop additional measures and to develop and implement a backlog reduction plan. The backlog target for this reporting year is measured across all permits and certifications. As of September 30, 2023, 76% are current and 24% are backlogged, and therefore a backlog reduction plan was not required for this reporting year. However, starting October 1, 2023, the PPA uses a revised method for calculating backlog that excludes the construction stormwater general permit from the backlog goals. The construction stormwater general permit covers 6,607 (68% of) permitted discharges. With this new measurement, only 26% of permits are current and 74% are backlogged. Therefore, the state will not meet EPA's current goal for Colorado to maintain at least 75% of permits as current. The PPA requires that the division implement a backlog reduction plan to reach the goal of 75% current permits by September 31, 2028. The division is already working on a plan and has identified that obtaining additional resources are essential to meeting the targets. The division started engaging with stakeholders in July 2023 to identify the level of resources needed and evaluate various funding sources. The division will continue to engage with stakeholders through 2025. If the division fails to make progress towards meeting the September 1, 2028 goal, it is expected that EPA will require the division to revise the backlog reduction plan and identify alternative approaches that will require the diversion of resources from other parts of the program.

During the 2023 legislative session, as part of a larger funding package to reduce division backlogs, the General Assembly approved \$2.9 million for the division through June 2025 to reduce clean water permit backlogs. In addition to the two years of funding, the General Assembly passed Senate Bill 23-274, which authorizes the commission to establish and adjust clean water fees by rule to generate revenue to support the implementation of state and federal laws. The rulemaking must occur by October 31, 2025. The bill mandates that the division engage in outreach to gather stakeholder input on total division funding, including federal funds, General Fund allocations, and all cash fees. The division has met with stakeholders since July 2023 and anticipates that it will continue to meet with them until the 2025 rulemaking. As part of the stakeholder effort, the Clean Water Program has identified the resources needed to meet the EPA's 75% goal. If this funding can be obtained by 2025, the division anticipates reaching the EPA's 75% current target by 2028-2030, and also anticipates having 75% of all individual permits current by 2036.

Table A12 summarizes the percentage of backlogged permits by permit type. Process water permits regulate discharges from domestic wastewater facilities or industrial process water from breweries or mining operations. Stormwater permits regulate discharges from rain and snowmelt events that flow over land or impervious surfaces, such as paved streets, parking lots, building rooftops, construction sites, and industrial areas, and do not soak into the ground. The Clean Water Program's pesticide permit regulates the application of pesticides to or near state waters.

Table A12 also shows that groundwater process water individual permit backlog has increased. However, the general permit certification backlog, dominated by the large number of certifications for surface water stormwater general permits, has decreased as the division focused on updating these general permits covering a large number of facilities and converting old individual groundwater permits to certifications under general permits when possible. There has been an increase in the individual process water permit backlog over the past five years. There was a significant decrease in the backlog for surface water stormwater general permits in 2019 resulting from the renewal of the stormwater construction permit, and since that time the backlog for this category has been consistently lower. The surface water process water general permit backlog has fluctuated as different general permits are renewed or expired, but has generally trended upwards. The surface water stormwater individual permit category, which includes seven permits for large municipal separate storm sewer systems and two industrial facilities, decreased in 2019 through 2021 as the division made progress renewing these permits. The division has maintained the pesticide application general permit since its issuance so there is no backlog for that category and sector. In total, the division accomplished a significant decrease in permit backlog across all permits since the 10/2018-9/2019 reporting year. However, overall the total permit backlogs continue to increase due to a lack of permitting resources. Detailed accounting used to calculate the percentages in Table 11 can be reviewed in Appendix C.

**Table A12 Percentage of permits backlogged by permit type.**

Reporting period	Groundwater process water individual permits	Groundwater process water general permits	Pesticides application general permit	Surface water stormwater individual permits	Surface water process water individual permits	Surface water process water general permits	Surface water stormwater general permits	Total
10/2016-9/2017	79%	100%	0%	71%	33%	20%	84%	69%
10/2017-9/2018	72%	95%	0%	86%	36%	21%	99%	81%
10/2018-9/2019	82%	66%	0%	86%	38%	57%	17%	26%
10/2019-9/2020	92%	40%	0%	86%	43%	53%	16%	24%
10/2020-9/2021	90%	33%	0%	71%	64%	35%	15%	20%
10/2021-9/2022	90%	35%	0%	57%	69%	97%	14%	25%
10/2022-9/2023	100%	68%	0%	57%	79%	66%	14%	24%

Table A13 shows the percentage of permits backlogged by sector. Table A13 indicates an increasing permit backlog trend for the public and private utilities and commerce and industry sectors. The construction sector backlog dropped significantly in 2018 with the stormwater general permit renewal and has been maintained at a low percentage. The MS4 sector backlog has remained relatively constant. The division has kept the pesticide general permit up-to-date since issuance, so there has not been a backlog for that category and sector. Detailed accounting used to calculate the percentages in Table A13 can be reviewed in Appendix C.

**Table A13 Percentage of permits backlogged by sector.**

Reporting period	Commerce and industry	Construction	Municipal separate storm sewer system	Pesticides	Public and private utilities	Total
10/2016-9/2017	15%	94%	52%	0%	48%	69%
10/2017-9/2018	60%	95%	52%	0%	49%	81%
10/2018-9/2019	66%	7%	52%	0%	66%	26%
10/2019-9/2020	66%	5%	52%	0%	63%	24%
10/2020 - 9/2021	66%	2%	52%	0%	72%	20%
10/2021 - 9/2022	97%	0.3%	55%	0%	70%	24%
10/2022 - 9/2023	99%	0.3%	55%	0%	79%	24%

Tables A14 and A15 show the range of time permits have been backlogged. Table A14 focuses on the range of time permits have been backlogged by permit type, and Table A15 shows the range of time by sector. The information presented in both tables suggests a slight increase in the range of time that permits have been backlogged throughout the reporting years, except for surface water process water individual permits. To address the backlog, the Permits Section continues to prioritize the least protective permits, which are typically older permits, however some of the oldest permits have not been prioritized since those discharges are not significant in terms of volume or pollutants. This is why some permits have been backlogged over twenty years. In addition, the Permits Section focuses on renewing general permits that cover a large number of permittees, and it works with permittees to transition them from individual to general permits when appropriate. In reporting years ending 9/30/2017 and 9/30/2018 a surface water process water individual permit was incorrectly categorized as a groundwater process water individual permit. That is why there is a jump in surface water process water individual permits between the years 2018 and 2019.

**Table A14 Range of time permits have been backlogged by permit type.**

Permit Type	Range of time backlogged in years as of:						
	9/30/2017	9/30/2018	9/30/2019	9/30/2020	9/30/2021	9/30/2022	9/30/2023
Groundwater process water individual permits	0 to 22	0 to 23	0 to 22	0 to 23	0 to 12	0 to 13	0 to 14
Groundwater process water general permits	0.5 to 11	0 to 12	0 to 13	0 to 14	0 to 15	0 to 16	0 to 17
Pesticide application general permit	0	0	0	0	0	0	0
Surface water stormwater individual permits	0 to 3	0 to 4	0 to 4	0 to 6	0 to 7	0 to 8	0 to 9

Permit Type	Range of time backlogged in years as of:						
	9/30/2017	9/30/2018	9/30/2019	9/30/2020	9/30/2021	9/30/2022	9/30/2023
Surface water process water individual permits	0 to 10	0 to 11	0 to 24	0 to 25	0 to 26	0 to 27	0 to 28
Surface water process water general permits	0 to 6	0 to 7	0 to 8	0 to 9	0 to 10	0 to 11	0 to 12
Surface water stormwater general permits	0 to 6	0 to 7	0 to 8	0 to 9	0 to 10	0 to 11	0 to 12

**Table A15 Range of time permits have been backlogged by permit sector.**

Sector	Range of time backlogged in years as of:						
	9/30/2017	9/30/2018	9/30/2019	9/30/2020	9/30/2021	9/30/2022	9/30/2023
Commerce and industry	0 to 10	0 to 11	0 to 13	0 to 14	0 to 15	0 to 16	0 to 17
Construction	0 to 5	0 to 6	0 to 3	0 to 4	0 to 5	0 to 1	0 to 2
Municipal separate storm sewer system	0 to 4	0 to 5	0 to 6	0 to 7	0 to 8	0 to 9	0 to 10
Pesticides	0	0	0	0	0	0	0
Public and private utilities	0 to 22	0 to 23	0 to 24	0 to 25	0 to 26	0 to 27	0 to 28

Tables A16 and A17 summarize the average amount of time that permits have been backlogged by permit type and permit sector. This represents the average amount of time it takes to reissue an administratively extended permit. The Clean Water Program prioritizes issuing new permits, processing permit modifications, and processing general permit certifications over reissuing individual permits and general permits.

Table A16 indicates that there has been a decrease in the average amount of time that groundwater process water individual permits are backlogged. For the remaining permit types, Table A16 shows that the time of backlog has been variable, but in general has increased as some older and lower priority permits continue to not be renewed to allow the division to focus on priority permits. The Permits Section continues to prioritize the older and least protective permits for renewal, focus on renewing general permits that cover a large number of permittees, and work with permittees to transition them from individual to general permits when appropriate.

Table A17 shows that for the construction sector average backlog time has decreased and been held reasonably low. Table A17 shows that the MS4 sector average backlog time decreased significantly in 10/2021-9/2022 because the division prioritized older permits in that sector. The average backlog time increased for individual process water to surface water and the general process water to groundwater permits. For all other sectors, Table A17 shows that the time of backlog has been variable but in general held reasonably steady.

**Table A16 Average amount of time permits have been backlogged by permit type.**

Permit Type	Average time backlogged in years as of:						
	9/30/2017	9/30/2018	A9/30/2019	9/30/2020	9/30/2021	9/30/2022	9/30/2023
Groundwater process water individual permits	10	10	9	8	6	7	7
Groundwater process water general permits	5	6	7	8	9	10	6
Pesticide application general permit	0	0	0	0	0	0	0
Surface water stormwater individual permits	2	3	4	5	6	7	8
Surface water process water individual permits	2	2	3	3	3	4	4
Surface water process water general permits	4	5	2	4	7	3	3
Surface water stormwater general permits	5	5	2	3	4	4	4

**Table A17 Average of time permits have been backlogged by permit sector.**

Sector	Average time backlogged in years as of:						
	9/30/2017	9/30/2018	A9/30/2019	9/30/2020	9/30/2021	9/30/2022	9/30/2023
Commerce and industry	4	2	2	4	4	3	4
Construction	5	6	1	2	1	1	0
Municipal separate storm sewer system	4	5	6	7	8	2	3
Pesticides	0	0	0	0	0	0	0
Public and private utilities	5	5	4	5	5	5	6



Table A18 shows the average time in days it takes to process modifications and issue new permits or certifications by sector. Process time reflects the amount of time between when a permit application is received to when it is finalized. There were no new individual permits issued during the baseline year. For the construction sector general permits, processing times have significantly decreased. Note that an error in the 10/2021-9/2022 data for the construction sector general permit issuance days was corrected in this report (previously reported in error at 28 days when the actual average processing time was 5 days). For the remaining sectors, processing times are extremely variable due to case specific scenarios associated with modifications or issuances.

**Table A18 Average processing time (in days) for modifications and issued certifications and permits.**

Action type	Commerce and industry	Construction	MS4	Pesticides	Public and private utilities
<b>General permit certification modifications</b>					
10/2016-9/2017	15	27	n/a	n/a	66
10/2017-9/2018	45	9	99	2.5	40
10/2018-9/2019	25	5	n/a	n/a	51
10/2019-9/2020	29	2	n/a	n/a	42
10/2020-9/2021	29	3	n/a	n/a	33
10/2021-9/2022	36	4	n/a	n/a	6
10/2022-9/2023	23	4	35	n/a	53
<b>Individual permit modifications</b>					
10/2016-9/2017	77	n/a	n/a	n/a	83
10/2017-9/2018	97	n/a	n/a	n/a	107
10/2018-9/2019	58	n/a	n/a	n/a	79
10/2019-9/2020	52	n/a	n/a	n/a	90
10/2020-9/2021	92	n/a	n/a	n/a	86
10/2021-9/2022	224	196	n/a	n/a	113
10/2022-9/2023	327	n/a	250	n/a	175
<b>General permit certifications issued</b>					
10/2016-9/2017	47	7	13	10	97
10/2017-9/2018	50	10	10	3	112
10/2018-9/2019	35	2	n/a	n/a	139
10/2019-9/2020	30	0	134	n/a	105
10/2020-9/2021	41	5	46	n/a	99
10/2021-9/2022	70	5	51	n/a	217

Action type	Commerce and industry	Construction	MS4	Pesticides	Public and private utilities
10/2022-9/2023	57	5	n/a	n/a	444
Individual permits issued					
10/2016-9/2017	n/a	n/a	n/a	n/a	n/a
10/2017-9/2018	284	n/a	n/a	n/a	395
10/2018-9/2019	152	n/a	n/a	n/a	149
10/2019-9/2020	86	n/a	287	n/a	68
10/2020-9/2021	402	n/a	877	n/a	685
10/2021-9/2022	287	n/a	554	n/a	n/a
10/2022-9/2023	503	n/a	n/a	n/a	380

Over the past five years, the Permits Section has implemented quality improvements for the construction sector though implementing an online permit processing system. These improvements have decreased the amount of time needed to process dewatering and stormwater permits for the construction sector. Other process improvements include a streamlined preliminary effluent limitation process for domestic wastewater permits, the acceptance of digital signatures on permit applications, and clearer communications to permittees.

Based on backlog information collected for the Permits Section over the past years, the division anticipates that current backlog levels are expected to increase with existing staffing levels for all sectors except the construction sector, unless the division can maintain general funding that the division received through FY 2024-25. Those additional resources will help reduce the rate of backlog, but the backlog will remain significantly below 75% target for some permit types, most specifically for individual permits. The division has also taken other steps to decrease the backlog.

In 2021 through 2023, the division prioritized the renewal of two general permits and the associated certifications for over 100 small domestic surface water facilities, and will continue to issue new certifications under those permits in 2024. Renewing these permits has diverted resources from individual domestic wastewater permit renewals but will have long-term backlog reduction benefits. These renewals will result in current permits for over 100 small facilities currently covered under expired general permits. When these renewals are complete, the Permits Section will work with a large number of small facilities that have backlogged individual permits and provide them the opportunity to receive similar permit terms under one of these general permits. The Permits Section also significantly reduced the MS4 backlog in 2021/2022 with the renewal of at least one general permit covering 60 permittees and one individual MS4. The Permits Section will significantly reduce the commerce and industry sector permit backlog in the next reporting period, 2024 due to the renewal of the COR900000 industrial stormwater general permit, which covers over 900 permittees.

In general, a focus on reducing the backlog, particularly when targeted at older priority permits, is important because permits that are more current reflect the latest actions adopted by the commission or EPA and thus better protect water quality. In addition, the division is continually focused on ways to make permits more clear and to address errors in previous permits. These efforts are reflected in permits as they are renewed.

Additional division resources are needed for all sectors to draft renewal permits to more significantly reduce the backlog to ensure that permits are maintained current and reflective of current water quality standards and

anti-degradation classifications, and to allow the division to meet the needs of public utilities and regulated industries to make changes in their facilities and operations.

### Upcoming permit program: Dredge and fill protection

On May 25, 2023, the United States Supreme Court issued a decision in *Sackett v. EPA*, which significantly curtailed federal jurisdiction over wetlands and seasonal streams that had been in place under the Clean Water Act for over 50 years. Colorado (along with 47 other states) had historically relied on the U.S. Army Corps of Engineers to administer a dredge and fill permitting program under Section 404 of the Clean Water Act. The Court's new interpretation of the term "waters of the United States" left over half of Colorado's seasonal streams and wetlands unprotected from the impacts of dredge and fill activities (e.g., mining and construction, including infrastructure projects). On July 5, 2023, the division issued an enforcement discretion policy (CW-17), using authority under the Water Quality Control Act, to allow construction projects impacting newly-unprotected wetlands and seasonal streams to move forward, so long as they were being conducted consistent with pre-*Sackett* 404 permitting requirements.

In anticipation of the Supreme Court's decision, Governor Polis had convened a task force in January 2023 composed of representatives from various state agencies, industry, construction, agriculture, local government, and conservation interests to examine policy options to fill the gap in protection left by the *Sackett* decision. Those efforts culminated in the enactment of HB24-1379 at the end of the 2024 legislative session, establishing a dredge and fill program under the Water Quality Control Act. Colorado was the first state in the country to enact legislation responding to the *Sackett* decision. The scope of the program covers all wetlands, lakes, and streams in the state, minus those that have been historically excluded under the federal Clean Water Act's 404 permitting program, as well as some additional human-made water features. The bill also contains numerous exemptions for activities such as those dealing with agriculture and emergency response. The bill sets up a discharge authorization program similar to the one administered by the U.S. Army Corps of Engineers under the federal Act focusing on avoidance, minimization, and compensation for impacts of dredge and fill activities on state waters. It requires the commission to establish program rules, including requirements for individual permits and compensatory mitigation. The bill authorizes the division to issue and enforce general authorizations covering categories of activities and project-specific individual authorizations for larger projects.

The division is in the process of hiring staff for a new dredge and fill protection team to administer the program. The division is also working on drafting a statewide general authorization for the discharge of dredged or fill material into isolated state waters. The division is responsible for issuing temporary authorizations while the program is being established, and we will be holding regular stakeholder meetings to develop a rulemaking proposal that will, among other things, establish fees and details on compensatory mitigation and individual permitting requirements for a commission hearing in December 2025.

## Section 7 Protection and restoration: Engineering

In the Clean Water Program, the Engineering Section provides engineering review, compliance assistance, and technical assistance for domestic wastewater treatment facilities. The section completes this work through area-wide wastewater facility planning, facility site approval, engineering plan review, compliance assistance, comprehensive performance evaluation, and construction inspections for facilities funded through the State Revolving Fund Program. In addition, the section provides onsite wastewater treatment system coordination, alternative technology reviews, and regulatory and technical assistance to industrial facilities.

Site location and design review efforts are a primary duty of the Engineering Section for the public and private utilities sector, and represent a majority of the clean water work performed by the Engineering Section. These values vary depending on the complexity of reviews received and are also impacted by other competing priorities. As Table A19 shows, each review engineer completes an average of 43 reviews per year. While the number of design review engineers may vary per year, overall output remains relatively constant on a per engineer basis.

Based on the information collected by the Engineering Section over the past nine years, the level of production per review engineer is likely to be consistent in the future.

**Table A19 Annual output related to site location and design review applications.**

Reporting year	Number of review engineers	Site location applications	Plans and specifications	Total reviews	Reviews per engineer
10/2012-9/2013	4	82	74	156	39
10/2013-9/2014	4	100	85	185	46
10/2014-9/2015	4.5	111	95	206	45
10/2015-9/2016	3.3	109	66	175	53
10/2016-9/2017	3.8	91	83	174	46
10/2017-9/2018	3.8	101	64	165	43
10/2018-9/2019	3.8	97	72	169	43
10/2019-9/2020	3.8	90	62	152	40
10/2020-9/2021	4.25	87	95	182	43
10/2021-9/2022	4.16	95	73	168	43
10/2022-9/2023	3.8	76	57	133	35
Average	3.9	94	75	170	43

## Section 8 Assurance: Inspections

Field inspections are a key component of the Clean Water Program's compliance assurance efforts. The Field Services Section and the Compliance and Enforcement Section are responsible for conducting inspections of facilities subject to discharge permit and control regulation requirements. The type and frequency of inspections are identified in the Clean Water Program's annual facility inspection plan that is submitted to EPA. A compliance evaluation inspection is an on-site review of a permitted facility and its records for the purpose of evaluating the adequacy of the facility's ability to meet the requirements of the National Pollutant Discharge Elimination System and the Colorado Discharge Permit System. Depending on specific field findings, inspection staff typically provide preliminary compliance assistance or compliance advisories to facilities following an inspection.

The Clean Water Program is also responsible for responding to environmental releases (e.g. spills) that are reported to the department. Table A20 summarizes the number of environmental releases by sector. Responding to an environmental release creates a significant unplanned workload because the timing and magnitude of response are unpredictable. The amount of spills occurring year-to-year is variable, and there is not a clear trend.

**Table A20 Number of environmental releases by sector**

Reporting year	Commerce and industry	Public and private utilities	Total
10/2016-9/2017	209	158	367

10/2017-9/2018	194	160	354
10/2018-9/2019	257	161	418
10/2019-9/2020	263	142	405
10/2020-9/2021	193	124	317
10/2021-9/2022	175	216	391
10/2022-9/2023	220	158	378
Average	216	160	376

The Clean Water Program classifies inspections in two categories: compliance evaluation inspections and reconnaissance inspections. Compliance evaluation inspections include an on-site inspection of the wastewater treatment facilities and/or control measures, an assessment of their condition, a review of the permit conditions and compliance with those conditions, and a resulting inspection report. Reconnaissance inspections can include an on-site inspection or a review of permit conditions and compliance, but usually not both. Reconnaissance inspections can also include site visits as a response to complaints and to provide compliance assistance. Compliance evaluation inspections are further divided into two categories: major facility compliance evaluation inspections and minor and non-classified facility compliance evaluation inspections. The permits that the Clean Water Program issues are classified as major or minor based on the rate of flow discharged, the population covered by the permit, and the magnitude and character of the discharge. In addition, the Clean Water Program inspects facilities that are regulated under commission control regulations including reclaimed water and biosolids facilities.

Table A21 summarizes the number of inspections by sector for the categories described above. In addition to the number of inspections completed for all reporting years, the inspection targets or goals are included. Inspection targets for the major and minor facilities are established based on EPA's 2014 Clean Water National Pollutant Discharge Elimination Compliance Monitoring Strategy. This strategy covers all of the sectors listed in Table A21 except for the public and private utilities, reclaimed water, and biosolids sectors, whose targets were established to be consistent with the national strategy. The national strategy allows states to decide the best inspection strategy for pesticide sector permits, and the Clean Water Program uses reconnaissance techniques for inspecting these permittees. The Clean Water Program lacks resources to conduct effective oversight for the cities, counties, and special districts that hold MS4 permits for stormwater system discharges within urban areas. The limited resources for the MS4 sector are instead devoted primarily to drafting permits and compliance assistance, although the division is committed to conducting enforcement if necessary. The lack of resources for oversight of the MS4 sector has been long-standing.

After an initial increase from the baseline year, the amount of inspections has been relatively consistent throughout all reporting years except for 10/2019-9/2020 and 10/2020-9/2021. There was a decrease in the number of inspections across most sectors in 2019-2020 due to the COVID-19 pandemic's impact on the Clean Water Program's ability to conduct inspections safely, and as discussed previously, the pace of hiring vacant positions also decreased during the 10/2019-9/2020 due to the COVID-19 pandemic. This impact only occurred in a few sectors in 2020-2021. Some variation can also be seen from year-to-year based on changes in oversight strategy, targeting of specific sectors or sub-sectors in some years, short term vacancies, and other factors.

The division has yet to receive funding focused on sectors with long-standing oversight resource gaps, which include all sectors except construction.



**Table A21 Number of compliance oversight inspections completed by sector.**

Year	Commerce and industry	Public and private utilities domestic water and wastewater	Public & private utilities reclaimed water	Construction	Pesticides	Biosolids	MS4
<b>Major facility compliance evaluation inspections</b>							
10/2016-9/2017	10	34	n/a	n/a	n/a	n/a	0
10/2017-9/2018	8	30	n/a	n/a	n/a	n/a	0
10/2018-9/2019	5	26	n/a	n/a	n/a	n/a	0
10/2019-9/2020	0	29	n/a	n/a	n/a	n/a	0
10/2020-9/2021	6	10	n/a	n/a	n/a	n/a	0
10/2021-9/2022	8	20	n/a	n/a	n/a	n/a	0
10/2022-9/2023	3	21	n/a	n/a	n/a	n/a	0
10/2023-9/2024 Inspection Goals	2	31	n/a	n/a	n/a	n/a	0
<b>Minor facility and unclassified facility compliance evaluation inspections</b>							
10/2016-9/2017	42	71	27	309	n/a	57	0
10/2017-9/2018	40	123	14	432	n/a	71	0
10/2018-9/2019	56	61	14	357	n/a	69	0
10/2019-9/2020	29	44	1	172	0	75	0
10/2020-9/2021	54	59	1	55	0	39	0
10/2021-9/2022	73	62	4	276	0	48	0
10/2022-9/2023	50	68	7	180	6	24	0
10/2023-9/2024	58	42	42	280	5	46	0

Year	Commerce and industry	Public and private utilities domestic water and wastewater	Public & private utilities reclaimed water	Construction	Pesticides	Biosolids	MS4
Inspection Goals							
Reconnaissance inspections							
10/2016-9/2017	9	7	0	75	15	0	0
10/2017-9/2018	17	2	3	97	13	1	0
10/2018-9/2019	25	2	1	86	0	0	0
10/2019-9/2020	5	0	0	414	0	0	0
10/2020-9/2021	0	0	0	728	4	0	3
10/2021-9/2022	0	0	0	200	6	0	0
10/2022-9/2023	1	0	0	242	5	0	0
10/2023-9/2024 Inspection Goals	n/a	n/a	n/a	120	n/a	n/a	0
Total							
10/2016-9/2017	61	112	27	384	15	57	0
10/2017-9/2018	65	155	17	529	13	72	0
10/2018-9/2019	86	89	15	443	0	69	0
10/2019-9/2020	34	73	1	586	0	75	0
10/2020-9/2021	60	69	1	783	4	39	3
10/2021-9/2022	81	82	4	476	6	48	0
10/2022-9/2023	54	89	7	422	6	24	0

## Section 9 Assurance: Enforcement

The Compliance and Enforcement Section is responsible for ensuring the regulated community complies with the requirements of the Colorado Water Quality Control Act and its implementing regulations. Work can be placed into three broad categories: compliance assistance, informal compliance assurance, and formal enforcement activities. Enforcement staff follows established formal and informal enforcement response criteria outlined in the Clean Water Program's enforcement management system.

**Compliance assistance:** Compliance assistance helps people and entities understand and comply with regulatory requirements and provides general technical assistance to the regulated community. Compliance assistance tools and methods include telephone and email assistance, guidance documents, and training for the regulated community.

**Informal compliance assurance:** The objective of informal compliance assurance is to facilitate the resolution of noncompliance problems without the more rigorous and resource-intensive administrative or judicial enforcement process. This includes a review of self-reported and field-generated data, comparison of the information to established enforcement criteria, issuance of compliance advisories, and any associated follow-up activities. Informal compliance assurance does not include the assessment of monetary penalties.

**Formal enforcement:** Formal enforcement actions are authorized under §25-8-601 C.R.S. through §25-8-612 C.R.S., and §25-9-110 C.R.S. Enforcement may happen when compliance is not achieved through informal compliance assurance or in cases of serious violations that pose a threat to public health or the environment. This category includes administrative remedies and civil judicial actions. Formal enforcement actions can be used to require compliance with permits, regulations, and statutes and are subject to the appeal rights of the violator.

The vast majority of discharge permits requires an entity to monitor their discharge for compliance. This data is reported to the Clean Water Program via discharge monitoring reports (DMRs). Timely submission of complete and accurate self-reported data is essential to determining an entity's permit compliance and provides a summary of the quality of the wastewater discharged from the facility. Table A22 shows the total number of delinquent or deficient DMR violations by sector. Note that one entity may have several delinquent or deficient DMRs. Table A22 only represents the total number of delinquent DMRs by sector. This data is reviewed quarterly. In the 10/2019 - 9/2020 reporting year, there was an increase in DMR violations from previous years, but the last few reporting years show a downward trend. Increases may be attributed to new and/increased reporting requirements in permits and difficulties associated with reporting during the pandemic. These violations are addressed in accordance with the division's Enforcement Management System and have not led to an increase in situations that require an escalation to enforcement. The division will continue to review the data and other available information to determine if additional measures may be needed to help reduce total occurrences of delinquent or deficient DMR violations.

**Table A22 Total occurrences of delinquent or deficient DMR violations.**

Sector	10/2016 -9/2017	10/2017 -9/2018	10/2018 -9/2019	10/2019 -9/2020*	10/2020 -9/2021	10/2021 -9/2022	10/2022 -9/2023
Commerce and industry	432	321	423	529	634	516	432
Construction	485	390	350	662	589	537	400
Public and private utilities	241	144	198	331	275	270	265

MS4, pesticides, and biosolids	DMR Reporting not required for these sectors
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\*There was an error in the data processing for the 2019-20 reporting year that has been corrected for this report.

Table A23 shows the number of facilities with effluent violations by sector. As with the DMR violations identified in Table A22, there was an increase in the effluent violations starting in 10/2019-9/2020 reporting year. Again, this is potentially a short term-increase associated with new effluent limits and the pandemic. The vast majority of these violations are being corrected and have not led to an increase in significant violations that require an escalation to enforcement. The division will continue to review the data and other available information to determine if additional measures may be needed to obtain a return to the higher rates of compliance.

**Table A23 Number of facilities with effluent violations by sector.**

Sector	10/2016-9/2017	10/2017-9/2018	10/2018-9/2019	10/2019-9/2020*	10/2020-9/2021	10/2021-9/2022	10/2022-9/2023
Commerce and industry	74	82	94	107	125	117	121
Construction	108	122	119	229	218	172	225
Public and private utilities	236	237	260	476	520	474	542
MS4, pesticides, and biosolids	DMR Reporting not required for these sectors						

\*There was an error in the data processing for the 2019-20 reporting year that has been corrected for this report.

Table A24 summarizes the number of compliance advisories that were issued by sector. The number of compliance advisories can vary by year depending on specific compliance initiatives as well as the compliance for DMRs and effluent violations (Tables A22 and A23), and the number of inspections conducted (Table A21). The construction sector and the commerce and industry sector have seen a general increase in the number of compliance advisories due to compliance advisories issued to improve the DMR compliance rate in those sectors. During the 10/2020-9/2021 reporting year, the division conducted significantly more reconnaissance inspections for the construction sector that resulted in a higher number of permits being evaluated and additional field violations being identified and addressed through compliance advisories. The rate of compliance advisories has decreased since then.

**Table A24 Number of facilities that had compliance advisories issued.**

Sector	10/2016-9/2017	10/2017-9/2018	10/2018-9/2019	10/2019-9/2020	10/2020-9/2021	10/2021-9/2022	10/2022-9/2023
Commerce and industry	422	1,404	942	451	907	928	517
Construction	1,029	1,384	1,163	956	1783	1312	1201
Public and private utilities	785	763	656	623	645	702	913

MS4	0	7	0	0	41	0	0
Pesticides	0	0	0	0	0	0	0
Biosolids	0	2	2	0	0	0	0
<b>Total</b>	<b>2,236</b>	<b>3,560</b>	<b>2,763</b>	<b>2,030</b>	<b>3,293</b>	<b>2942</b>	<b>2631</b>

Table A25 summarizes the number of enforcement actions issued by sector for the reporting year. The number of enforcement actions vary from year-to-year depending on the nature of violations and the nature and scope of actions being performed. Note that the number of formal enforcement actions is significantly fewer than the number of facilities with violations, as reported in Table A23 above. The enforcement actions summarized in Table A25 include:

**Notice of Violation (NOV), Cease and Desist Order (CDO), Clean-up Order (CUO):** These are formal notifications that a person or entity has violated the law. These actions include corrective actions required to resolve the violations. The Clean Water Program imposes civil penalties when an NOV, CDO, or CUO has been issued.

**Compliance Order on Consent and Expedited Settlement Agreement:** These are settlement agreements that resolve violations and penalties, and in some cases include corrective action requirements.

**Order for Civil Penalty (OCP):** The Clean Water Program imposes civil penalties through the issuance of OCPs. Penalties for violations of the Colorado Water Quality Control Act are assessed consistent with §25-8-608, C.R.S. and the Clean Water Program's penalty policies. Penalties consider the following factors:

- The potential damage of the violation(s).
- The violator's compliance history.
- Whether the violation(s) was intentional, reckless, or negligent.
- The impact or threat to public health and the environment.
- The duration of the violation(s).
- The economic benefit realized as a result of the violation.

**Judicial Actions:** Civil enforcement actions are judicial actions taken against a violator when violations are determined to be serious enough to warrant seeking court-ordered injunctions, civil penalties or other remedies.

**Table A25 Number of enforcement actions issued, including amendments to existing orders.**

Year	Notice of Violations/ Cease and Desist Orders or Clean-up Orders	Compliance Orders on Consent	Expedited Settlement Agreements	Orders for Civil Penalty	Judicial Actions	Total
10/2016-9/2017	25	11	6	8	2	52
10/2017-9/2018	26	11	0	12	2	51
10/2018-9/2019	28	19	0	17	0	64
10/2019-9/2020	42	21	2	41	0	106
10/2020-9/2021	24	22	3	33	1	83
10/2021-9/2022	24	5	0	18	1	48
10/2022-9/2023	29	20	0	21	0	70



## Section 10 Health equity and environmental justice

On March 8, 2022, the U.S. EPA Region 8 and CDPHE entered into a [Memorandum of Understanding \(MOU\) on Advancing Environmental Justice through Enforcement and Compliance Assurance in Disproportionately Impacted Communities](#). The MOU focuses on three goals:

1. Strategic targeting of inspections.
2. Coordinated enforcement and compliance assurance actions to address impacts on communities.
3. Enhanced community engagement.

In March 2023, the agencies released the Year 1 Workplan that outlines specific activities EPA and the department will undertake to achieve the goals of the MOU. The agencies implemented the Year 1 Workplan from March 2023 to March 2024.

To satisfy the inspection goal, the division evaluated the number of inspections conducted in disproportionately impacted communities using GIS software and Colorado EnviroScreen. The purpose of this evaluation was to determine a baseline inspection rate to inform future inspection planning.

The Clean Water Compliance Unit (construction oversight) and the Field Services Section (clean water and drinking water facilities) conduct these inspections. The division conducted the following percentages of inspections in disproportionately impacted (DI) communities show in table A26.

**Table A26 Annual comparison of inspections in Disproportionately Impacted Communities.**

Section	October 1, 2021 through September 30, 2022 baseline: % of inspections in DI communities	October 1, 2022 through September 30, 2023: % of inspections in DI communities	October 1, 2023 through September 30, 2024: % of inspections in DI communities
Clean Water Compliance	33%	14%	33%
Field Services Section - Clean Water Facilities	28%	27%	28%
Field Services Section - Drinking Water Facilities	24%	34%	34%

Given available resources, the current inspection backlog, and the requirement to meet federal inspection minimums based on other important criteria, it is not feasible for either group to increase the percentage of inspections that will occur in disproportionately impacted communities above the October 1, 2021, through September 2022 baseline in the period from October 1, 2023 through September 30, 2024. The division will continue to seek additional resources to increase inspections in disproportionately impacted communities and prioritize during the yearly inspection planning as much as possible in conjunction with the EPA inspection frequency requirements.

CDPHE and EPA will continue to support the coordinated enforcement and compliance assurance and enhanced community engagement goals as the opportunities arise. For example, the division posts clean water settlements online and routinely provides compliance assistance to local governments in disproportionately impacted communities. In addition, the division engaged with disproportionately impacted communities during several public forums. Division staff attended several trainings on the Colorado EnviroScreen and best practices for community engagement.

## Appendix B - Permit Modifications

PermitID	Sector	Permittee
COG502187	Commerce and industry	LG Everist Inc
COG502187	Commerce and industry	LG Everist Inc
COG502028	Commerce and industry	Martin Marietta Materials Inc
COG502028	Commerce and industry	Martin Marietta Materials Inc
COG130003	Commerce and industry	Colorado Parks and Wildlife
COG130003	Commerce and industry	Colorado Parks and Wildlife
COG501526	Commerce and industry	Raptor Materials LLC
COG501526	Commerce and industry	Raptor Materials LLC
COG500453	Commerce and industry	Pete Lien and Sons Inc
COG500453	Commerce and industry	Pete Lien and Sons Inc
COG501594	Commerce and industry	Martin Marietta Materials Inc
COG501594	Commerce and industry	Martin Marietta Materials Inc
COR900440	Commerce and industry	Boulder County
COR900440	Commerce and industry	Boulder County
COR900420	Commerce and industry	Twin Landfill Corp of Fremont County
COR900420	Commerce and industry	Twin Landfill Corp of Fremont County
COR901367	Commerce and industry	McLane Food Service Inc
COR901367	Commerce and industry	McLane Food Service Inc
COR901622	Commerce and industry	LKQ of Colorado
COR901622	Commerce and industry	LKQ of Colorado
COG502179	Commerce and industry	Martin Marietta Materials Inc
COG502179	Commerce and industry	Martin Marietta Materials Inc
COG501610	Commerce and industry	Holcim - WCR, Inc.
COG501610	Commerce and industry	Holcim - WCR, Inc.
COG500092	Commerce and industry	Martin Marietta Materials Inc
COG500092	Commerce and industry	Martin Marietta Materials Inc
COG501583	Commerce and industry	Raptor Materials LLC
COG501583	Commerce and industry	Raptor Materials LLC
COR900894	Commerce and industry	Kiewit Infrastructure Co
COR900894	Commerce and industry	Kiewit Infrastructure Co
COR900315	Commerce and industry	Interstate Highway Construction Inc
COR900315	Commerce and industry	Interstate Highway Construction Inc
COG501560	Commerce and industry	Holcim - WCR, Inc.
COG501560	Commerce and industry	Holcim - WCR, Inc.
COG501616	Commerce and industry	Martin Marietta Materials Inc
COG501616	Commerce and industry	Martin Marietta Materials Inc
COG501594	Commerce and industry	Martin Marietta Materials Inc
COG501594	Commerce and industry	Martin Marietta Materials Inc
COG502050	Commerce and industry	KRAUTHCO Inc
COG502050	Commerce and industry	KRAUTHCO Inc
COR901458	Commerce and industry	Agilent Technologies Inc
COR901458	Commerce and industry	Agilent Technologies Inc
COR901362	Commerce and industry	Louisville City of
COR901362	Commerce and industry	Louisville City of
COG501603	Commerce and industry	Asphalt Specialties Co Inc
COG501603	Commerce and industry	Asphalt Specialties Co Inc
COR900318	Commerce and industry	Ready Mixed Concrete Co LLC
COR900318	Commerce and industry	Ready Mixed Concrete Co LLC

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PermitID	Sector	Permittee
COR900413	Commerce and industry	Waste Management of Colorado Inc
COR900413	Commerce and industry	Waste Management of Colorado Inc
COG502028	Commerce and industry	Martin Marietta Materials Inc
COG502028	Commerce and industry	Martin Marietta Materials Inc
COG500480	Commerce and industry	Martin Marietta Materials Inc
COG500480	Commerce and industry	Martin Marietta Materials Inc
COR900672	Commerce and industry	Brannan Sand and Gravel Co
COR900672	Commerce and industry	Brannan Sand and Gravel Co
COG502220	Commerce and industry	Holcim - WCR, Inc.
COG502220	Commerce and industry	Holcim - WCR, Inc.
COR900637	Commerce and industry	Interstate Highway Construction Inc
COR900637	Commerce and industry	Interstate Highway Construction Inc
COR900069	Commerce and industry	Colorado Springs Utilities
COR900069	Commerce and industry	Colorado Springs Utilities
COR900096	Commerce and industry	Plum Creek Wastewater Authority
COR900096	Commerce and industry	Plum Creek Wastewater Authority
COR900101	Commerce and industry	Brighton City of
COR900101	Commerce and industry	Brighton City of
COR900475	Commerce and industry	Pepsi Cola Bottling Group
COR900475	Commerce and industry	Pepsi Cola Bottling Group
COR900842	Commerce and industry	Meridian Metropolitan District
COR900842	Commerce and industry	Meridian Metropolitan District
COR901302	Commerce and industry	Boxelder Sanitation Dist
COR901302	Commerce and industry	Boxelder Sanitation Dist
COG501594	Commerce and industry	Martin Marietta Materials Inc
COG501594	Commerce and industry	Martin Marietta Materials Inc
COG501616	Commerce and industry	Martin Marietta Materials Inc
COG501616	Commerce and industry	Martin Marietta Materials Inc
COR900318	Commerce and industry	Ready Mixed Concrete Co LLC
COR900318	Commerce and industry	Ready Mixed Concrete Co LLC
COR900071	Commerce and industry	JBS USA
COR900098	Commerce and industry	Montrose City of
CO0000612	Commerce and industry	Public Service Co of Colorado
CO0000671	Commerce and industry	Holcim (US) Inc
CO0046931	Commerce and industry	Pacificorp
CO0049056	Commerce and industry	Larimer County
COG318117	Construction	Trailhead Lodge at Wildhorse Meadows
COG318117	Construction	Trailhead Lodge at Wildhorse Meadows
COR412933	Construction	GLH Construction LLC
COR412933	Construction	GLH Construction LLC
COR416235	Construction	Public Service Company of Colorado
COR416235	Construction	Public Service Company of Colorado
COG080538	Construction	Ames Construction, Inc.
COG080538	Construction	Ames Construction, Inc.
COR409704	Construction	Raindance Construction, LLC
COR409704	Construction	Raindance Construction, LLC
COR406596	Construction	Kelley Trucking Inc.
COR406596	Construction	Kelley Trucking Inc.

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PermitID	Sector	Permittee
COR416825	Construction	Baxter Construction
COR416825	Construction	Baxter Construction
COR414524	Construction	Taylor Morrison of Colorado, Inc.
COR414524	Construction	Taylor Morrison of Colorado, Inc.
COR400118	Construction	Allison Valley Development Co LLC
COR400118	Construction	Allison Valley Development Co LLC
COR404293	Construction	SEMA Construction Inc
COR404293	Construction	SEMA Construction Inc
COR411063	Construction	Vantage Homes Corp.
COR411063	Construction	Vantage Homes Corp.
COR417919	Construction	Public Service Company of Colorado (PSCo)
COR417919	Construction	Public Service Company of Colorado (PSCo)
COR417674	Construction	CATAMOUNT CONSTRUCTORS, INC.
COR417674	Construction	CATAMOUNT CONSTRUCTORS, INC.
COR408308	Construction	Connell Resources, Inc.
COR408308	Construction	Connell Resources, Inc.
COR414141	Construction	Kinston Metropolitan District No. 2
COR414141	Construction	Kinston Metropolitan District No. 2
COR408358	Construction	Landmark Homes
COR408358	Construction	Landmark Homes
COR417741	Construction	AP Mountain States, LLC
COR417741	Construction	AP Mountain States, LLC
COR416476	Construction	Oakwood Homes
COR416476	Construction	Oakwood Homes
COR417348	Construction	Baker Construction
COR417348	Construction	Baker Construction
COR400586	Construction	Brookfield Residential Properties
COR400586	Construction	Brookfield Residential Properties
COR409079	Construction	Polo Brown Company
COR409079	Construction	Polo Brown Company
COR417833	Construction	Marketplace Interquest, LLC
COR417833	Construction	Marketplace Interquest, LLC
COR404847	Construction	Vanguard Homes, Inc.
COR404847	Construction	Vanguard Homes, Inc.
COR401585	Construction	ESCO Construction Co
COR401585	Construction	ESCO Construction Co
COR403014	Construction	Melody Homes
COR403014	Construction	Melody Homes
COR412847	Construction	W.E. O'Neil Construction Company of Colorado
COR412847	Construction	W.E. O'Neil Construction Company of Colorado
COR417943	Construction	Capital Paving & Construction, LLC
COR417943	Construction	Capital Paving & Construction, LLC
COR408338	Construction	Land Zone, Inc.
COR408338	Construction	Land Zone, Inc.
COR417127	Construction	Haselden Construction
COR417127	Construction	Haselden Construction
COR408286	Construction	Oakwood Homes LLC
COR408286	Construction	Oakwood Homes LLC

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PermitID	Sector	Permittee
COR414540	Construction	Oakwood Homes
COR414540	Construction	Oakwood Homes
COR416961	Construction	Can Am Logistics
COR416961	Construction	Can Am Logistics
COR404615	Construction	Tectonic Management Group Inc
COR404615	Construction	Tectonic Management Group Inc
COR416961	Construction	Can Am Logistics
COR416961	Construction	Can Am Logistics
COR416415	Construction	J-25 Land Holdings, LLC c/o AGORA WEST REAL ESTATE GROU
COR416415	Construction	J-25 Land Holdings, LLC c/o AGORA WEST REAL ESTATE GROU
COR404346	Construction	Shea Properties LLC
COR404346	Construction	Shea Properties LLC
COR416249	Construction	RN Civil Construction LLC
COR416249	Construction	RN Civil Construction LLC
COR404332	Construction	Shaw Ltd
COR404332	Construction	Shaw Ltd
COG080148	Construction	Erie Land Company, LLC
COG080148	Construction	Erie Land Company, LLC
COR410114	Construction	Shaw LTD
COR410114	Construction	Shaw LTD
COR404704	Construction	Toll Southwest LLC
COR404704	Construction	Toll Southwest LLC
COR416524	Construction	Horizon View Homes LLC
COR416524	Construction	Horizon View Homes LLC
COR417530	Construction	High Country Construction of Durango, LLC
COR417530	Construction	High Country Construction of Durango, LLC
COR417345	Construction	Brookfield Properties Development
COR417345	Construction	Brookfield Properties Development
COR417526	Construction	Ogris Operating, LLC.
COR417526	Construction	Ogris Operating, LLC.
COR418512	Construction	Toll Bros., Inc.
COR418512	Construction	Toll Bros., Inc.
COR416795	Construction	Public Service Company of Colorado
COR416795	Construction	Public Service Company of Colorado
COR416671	Construction	Public Service Company of Colorado
COR416671	Construction	Public Service Company of Colorado
COR406031	Construction	LGI Homes Colorado LLC
COR406031	Construction	LGI Homes Colorado LLC
COR417125	Construction	Buildings By Design
COR417125	Construction	Buildings By Design
COG604395	Construction	Kiewit Infrastructure Co
COG604395	Construction	Kiewit Infrastructure Co
COR416761	Construction	Oakwood Homes
COR416761	Construction	Oakwood Homes
COR411576	Construction	Covington Homes LLC
COR411576	Construction	Covington Homes LLC
COR417903	Construction	Golden Triangle Construction
COR417903	Construction	Golden Triangle Construction



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PermitID	Sector	Permittee
COR411500	Construction	Milender White Construction Company
COR411500	Construction	Milender White Construction Company
COR411401	Construction	Geos Ventures, LLC
COR411401	Construction	Geos Ventures, LLC
COR402022	Construction	Granite Falls GJ LLC
COR402022	Construction	Granite Falls GJ LLC
COR415177	Construction	Carriage Hills Development, Inc
COR415177	Construction	Carriage Hills Development, Inc
COR406548	Construction	Meritage Homes of Colorado Inc
COR406548	Construction	Meritage Homes of Colorado Inc
COR411764	Construction	Forestar (USA) Real Estate Group Inc.
COR411764	Construction	Forestar (USA) Real Estate Group Inc.
COR415314	Construction	HEI Civil
COR415314	Construction	HEI Civil
COR417765	Construction	Garney Construction Co.
COR417765	Construction	Garney Construction Co.
COR402519	Construction	KB Home Colorado Inc
COR402519	Construction	KB Home Colorado Inc
COR407868	Construction	Oakwood Homes, LLC
COR407868	Construction	Oakwood Homes, LLC
COR411558	Construction	Oakwood Homes, LLC
COR411558	Construction	Oakwood Homes, LLC
COR400882	Construction	Challenger Building LLC
COR400882	Construction	Challenger Building LLC
COG080411	Construction	SMH West LLC
COG080411	Construction	SMH West LLC
COR412931	Construction	Forestar (USA) Real Estate Group Inc.
COR412931	Construction	Forestar (USA) Real Estate Group Inc.
COG318070	Construction	Pueblo City of
COG318070	Construction	Pueblo City of
COG080242	Construction	Garney Construction Co.
COG080242	Construction	Garney Construction Co.
COR400077	Construction	Aerotropolis Area Coordinating Metro District
COR400077	Construction	Aerotropolis Area Coordinating Metro District
COR416474	Construction	Oakwood Homes
COR416474	Construction	Oakwood Homes
COR413017	Construction	Native Excavating
COR413017	Construction	Native Excavating
COG080477	Construction	Kraemer North America LLC
COG080477	Construction	Kraemer North America LLC
COR400631	Construction	C & C Land LLC
COR400631	Construction	C & C Land LLC
COR406478	Construction	Toll Southwest, LLC
COR406478	Construction	Toll Southwest, LLC
COR406031	Construction	LGI Homes Colorado LLC
COR406031	Construction	LGI Homes Colorado LLC
COR411534	Construction	Masterbilt Homes, Inc.
COR411534	Construction	Masterbilt Homes, Inc.

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PermitID	Sector	Permittee
COR407892	Construction	Raindance Land Company, LLC
COR407892	Construction	Raindance Land Company, LLC
COR416470	Construction	Challenger Building, LLC
COR416470	Construction	Challenger Building, LLC
COR417369	Construction	Public Service Company of Colorado
COR417369	Construction	Public Service Company of Colorado
COR416779	Construction	Richmond American Homes of Colorado, Inc.
COR416779	Construction	Richmond American Homes of Colorado, Inc.
COR418063	Construction	Sanders construction
COR418063	Construction	Sanders construction
COR414174	Construction	Golden Triangle Construction
COR414174	Construction	Golden Triangle Construction
COR409992	Construction	Weskan Grain, LLC
COR409992	Construction	Weskan Grain, LLC
COR403355	Construction	Oakwood Homes LLC
COR403355	Construction	Oakwood Homes LLC
COR415246	Construction	WESTERN CANYON HOMES, LLC
COR415246	Construction	WESTERN CANYON HOMES, LLC
COG317094	Construction	NeuMark Commercial Builders, LLC
COG317094	Construction	NeuMark Commercial Builders, LLC
COR401047	Construction	Community Development Group - Morgan Hill, Inc
COR401047	Construction	Community Development Group - Morgan Hill, Inc
COR414168	Construction	KB Home, Colorado
COR414168	Construction	KB Home, Colorado
COR416879	Construction	THB Loretto Land LLC
COR416879	Construction	THB Loretto Land LLC
COG080518	Construction	CGRS, Inc.
COG080518	Construction	CGRS, Inc.
COR412120	Construction	Tralon Homes LLC
COR412120	Construction	Tralon Homes LLC
COR415372	Construction	McStain Constructors LLC
COR415372	Construction	McStain Constructors LLC
COR400538	Construction	Brighton City of
COR400538	Construction	Brighton City of
COR411576	Construction	Covington Homes LLC
COR411576	Construction	Covington Homes LLC
COR415438	Construction	Fransen Pittman General Contractors
COR415438	Construction	Fransen Pittman General Contractors
COR406019	Construction	Lennar Colorado LLC
COR406019	Construction	Lennar Colorado LLC
COR405056	Construction	Winds of the Spirit LLC
COR405056	Construction	Winds of the Spirit LLC
COG080538	Construction	Ames Construction, Inc.
COG080538	Construction	Ames Construction, Inc.
COR404159	Construction	Sage Homes LLC
COR404159	Construction	Sage Homes LLC
COR407892	Construction	Raindance Land Company, LLC
COR407892	Construction	Raindance Land Company, LLC

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PermitID	Sector	Permittee
COR417077	Construction	Richmond American Homes of Colorado Inc
COR417077	Construction	Richmond American Homes of Colorado Inc
COR417929	Construction	PG Arnold Construction
COR417929	Construction	PG Arnold Construction
COG317084	Construction	Haselden Construction, LLC
COG317084	Construction	Haselden Construction, LLC
COR417903	Construction	Golden Triangle Construction
COR417903	Construction	Golden Triangle Construction
COR416111	Construction	Colorado Interstate Gas Company, LLC
COR416111	Construction	Colorado Interstate Gas Company, LLC
COR405667	Construction	Ridgeline Homes, LLC
COR405667	Construction	Ridgeline Homes, LLC
COR415175	Construction	Murray and Stafford, Inc.
COR415175	Construction	Murray and Stafford, Inc.
COR416649	Construction	Richmond American Homes of Colorado Inc
COR416649	Construction	Richmond American Homes of Colorado Inc
COR409774	Construction	City of Grand Junction
COR409774	Construction	City of Grand Junction
COR418607	Construction	BT Construction, Inc.
COR418607	Construction	BT Construction, Inc.
COG080518	Construction	CGRS, Inc.
COG080518	Construction	CGRS, Inc.
COR410123	Construction	K.R. Swerdfeger Construction, Inc.
COR410123	Construction	K.R. Swerdfeger Construction, Inc.
COR414400	Construction	Taylor Morrison of Colorado, Inc.
COR414400	Construction	Taylor Morrison of Colorado, Inc.
COR415198	Construction	Saunders Construction, LLC
COR415198	Construction	Saunders Construction, LLC
COR413052	Construction	COLA, LLC
COR413052	Construction	COLA, LLC
COR405484	Construction	BT Construction, Inc.
COR405484	Construction	BT Construction, Inc.
COR418435	Construction	SII LLC
COR418435	Construction	SII LLC
COR403295	Construction	Noble Energy, Inc.
COR403295	Construction	Noble Energy, Inc.
COR403292	Construction	Noble Energy, Inc.
COR403292	Construction	Noble Energy, Inc.
COR403291	Construction	Noble Energy, Inc.
COR403291	Construction	Noble Energy, Inc.
COR403293	Construction	Noble Energy, Inc.
COR403293	Construction	Noble Energy, Inc.
COR403294	Construction	Noble Energy, Inc.
COR403294	Construction	Noble Energy, Inc.
COR402085	Construction	Hall Irwin Corporation
COR402085	Construction	Hall Irwin Corporation
COR415214	Construction	656 Market Street LLC
COR415214	Construction	656 Market Street LLC

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PermitID	Sector	Permittee
COR400044	Construction	610 RLLLP
COR400044	Construction	610 RLLLP
COR400764	Construction	Colorado Department of Transportation
COR400764	Construction	Colorado Department of Transportation
COR405742	Construction	Flatirons Habitat for Humanity
COR405742	Construction	Flatirons Habitat for Humanity
COR411267	Construction	Erie Land Company, LLC
COR411267	Construction	Erie Land Company, LLC
COG318112	Construction	1107 12th St LLC
COG318112	Construction	1107 12th St LLC
COR406596	Construction	Kelley Trucking Inc.
COR406596	Construction	Kelley Trucking Inc.
COR404340	Construction	Shea Homes LP
COR404340	Construction	Shea Homes LP
COR406920	Construction	Shea Homes LP
COR406920	Construction	Shea Homes LP
COR400538	Construction	Brighton City of
COR400538	Construction	Brighton City of
COR418231	Construction	IHC Scott
COR418231	Construction	IHC Scott
COG317050	Construction	Private development
COG317050	Construction	Private development
COR415370	Construction	Scott Contracting, Inc.
COR415370	Construction	Scott Contracting, Inc.
COR400880	Construction	Challenger Building LLC
COR400880	Construction	Challenger Building LLC
COR416538	Construction	J. E. Dunn Construction Company
COR416538	Construction	J. E. Dunn Construction Company
COR416411	Construction	GH Phipps Construction Companies
COR416411	Construction	GH Phipps Construction Companies
COR412381	Construction	Gray Homes Inc
COR412381	Construction	Gray Homes Inc
COR411558	Construction	Oakwood Homes, LLC
COR411558	Construction	Oakwood Homes, LLC
COR400480	Construction	Twin Buttes of Durango, Inc.
COR400480	Construction	Twin Buttes of Durango, Inc.
COR404338	Construction	Shea Homes LP
COR404338	Construction	Shea Homes LP
COG317099	Construction	BRE-BMR Flatiron III LLC
COG317099	Construction	BRE-BMR Flatiron III LLC
COR416174	Construction	Quiktrip
COR416174	Construction	Quiktrip
COR400586	Construction	Brookfield Residential Properties
COR400586	Construction	Brookfield Residential Properties
COR416127	Construction	Melody Homes
COR416127	Construction	Melody Homes
COR403012	Construction	Melody Homes Inc
COR403012	Construction	Melody Homes Inc

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PermitID	Sector	Permittee
COR403842	Construction	RE II Industrial II LLC
COR403842	Construction	RE II Industrial II LLC
COR408869	Construction	Reynolds Construction
COR408869	Construction	Reynolds Construction
COR407866	Construction	A&R Construction Management & Development, LLC
COR407866	Construction	A&R Construction Management & Development, LLC
COR409524	Construction	GLH Construction LLC
COR409524	Construction	GLH Construction LLC
COR400884	Construction	Challenger Communities LLC
COR400884	Construction	Challenger Communities LLC
COR411231	Construction	Melody Homes
COR411231	Construction	Melody Homes
COR403037	Construction	Melody Homes Inc
COR403037	Construction	Melody Homes Inc
COR412419	Construction	Meritage Homes of Colorado Inc.
COR412419	Construction	Meritage Homes of Colorado Inc.
COR414668	Construction	BC Central Park LLC
COR414668	Construction	BC Central Park LLC
COR413901	Construction	Maximum Services, Inc.
COR413901	Construction	Maximum Services, Inc.
COR411986	Construction	Interstate Land Holdings, LLC
COR411986	Construction	Interstate Land Holdings, LLC
COR416169	Construction	Richmond American Homes
COR416169	Construction	Richmond American Homes
COR415298	Construction	Connell Resources, Inc.
COR415298	Construction	Connell Resources, Inc.
COR400646	Construction	Caerus Piceance LLC
COR400646	Construction	Caerus Piceance LLC
COG080148	Construction	Erie Land Company, LLC
COG080148	Construction	Erie Land Company, LLC
COR418724	Construction	SEMA Construction, Inc
COR418724	Construction	SEMA Construction, Inc
COR418750	Construction	Richmond American Homes of Colorado, Inc.
COR418750	Construction	Richmond American Homes of Colorado, Inc.
COR410562	Construction	Infinity Communities
COR410562	Construction	Infinity Communities
COR407088	Construction	Infinity Communities, Inc.
COR407088	Construction	Infinity Communities, Inc.
COR409556	Construction	Art C. Klein Construction
COR409556	Construction	Art C. Klein Construction
COG080608	Construction	Grand County
COG080608	Construction	Grand County
COR408338	Construction	Land Zone, Inc.
COR408338	Construction	Land Zone, Inc.
COG318078	Construction	City and County of Denver - Public Health and Environment D
COG318078	Construction	City and County of Denver - Public Health and Environment D
COR418740	Construction	Aerotropolis Regional Transportation Authority
COR418740	Construction	Aerotropolis Regional Transportation Authority



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PermitID	Sector	Permittee
COG080518	Construction	CGRS, Inc.
COG080518	Construction	CGRS, Inc.
COR417425	Construction	Covington Homes LLC
COR417425	Construction	Covington Homes LLC
COG317092	Construction	Hensel Phelps Construction Company
COG317092	Construction	Hensel Phelps Construction Company
COR418439	Construction	Hensel Phelps Construction Co.
COR418439	Construction	Hensel Phelps Construction Co.
COG317089	Construction	The Whiting-Turner Contracting Company
COG317089	Construction	The Whiting-Turner Contracting Company
COR404124	Construction	Covington Homes LLC
COR404124	Construction	Covington Homes LLC
COR401047	Construction	Community Development Group - Morgan Hill, Inc
COR401047	Construction	Community Development Group - Morgan Hill, Inc
COR412242	Construction	Connell Resources, Inc.
COR412242	Construction	Connell Resources, Inc.
COR414344	Construction	Situs Pomona LLC
COR414344	Construction	Situs Pomona LLC
COR414960	Construction	Adamo Building Company, LLC
COR414960	Construction	Adamo Building Company, LLC
COR403818	Construction	Raindance Land Company LLC
COR403818	Construction	Raindance Land Company LLC
COR402821	Construction	Evergreen Devco, Inc.
COR402821	Construction	Evergreen Devco, Inc.
COR407002	Construction	Timbers Development Group
COR407002	Construction	Timbers Development Group
COR405778	Construction	Flatiron Constructors, Inc.
COR405778	Construction	Flatiron Constructors, Inc.
COR414604	Construction	DFH Mandarin, LLC
COR414604	Construction	DFH Mandarin, LLC
COR402164	Construction	Heron Lakes Investments LLC
COR402164	Construction	Heron Lakes Investments LLC
COG318069	Construction	Wewatta and Wynkoop PT LLC
COG318069	Construction	Wewatta and Wynkoop PT LLC
COR418423	Construction	Loves Travel Stops
COR418423	Construction	Loves Travel Stops
COR414788	Construction	J. Kahn Custom Homes, Inc.
COR414788	Construction	J. Kahn Custom Homes, Inc.
COR415204	Construction	Embrey Builders, LLC
COR415204	Construction	Embrey Builders, LLC
COG080598	Construction	KSK, LLC
COG080598	Construction	KSK, LLC
COR411876	Construction	Connell Resources, Inc.
COR411876	Construction	Connell Resources, Inc.
COR417115	Construction	Horizon View Homes
COR417115	Construction	Horizon View Homes
COG317023	Construction	HEI Civil
COG317023	Construction	HEI Civil

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PermitID	Sector	Permittee
COR401168	Construction	Craft Bandera Acquisition Company LLC
COR401168	Construction	Craft Bandera Acquisition Company LLC
COG080592	Construction	Oldcastle SW Group, Inc. dba United Companies
COG080592	Construction	Oldcastle SW Group, Inc. dba United Companies
COR411059	Construction	Wonderland Homes
COR411059	Construction	Wonderland Homes
COR403224	Construction	Nash Anthem LLC
COR403224	Construction	Nash Anthem LLC
COR411716	Construction	HEI Civil
COR411716	Construction	HEI Civil
COR411876	Construction	Connell Resources, Inc.
COR411876	Construction	Connell Resources, Inc.
COR411469	Construction	Saunders Construction, LLC
COR411469	Construction	Saunders Construction, LLC
COG080585	Construction	BT Construction
COG080585	Construction	BT Construction
COR416415	Construction	J-25 Land Holdings, LLC c/o AGORA WEST REAL ESTATE GROU
COR416415	Construction	J-25 Land Holdings, LLC c/o AGORA WEST REAL ESTATE GROU
COR415224	Construction	Melody Homes
COR415224	Construction	Melody Homes
COR413149	Construction	Shaw Construction
COR413149	Construction	Shaw Construction
COR406478	Construction	Toll Bros., Inc.
COR406478	Construction	Toll Bros., Inc.
COR418512	Construction	Toll Bros., Inc.
COR418512	Construction	Toll Bros., Inc.
COR412244	Construction	M.A. Mortenson Company
COR412244	Construction	M.A. Mortenson Company
COR417389	Construction	Zak Dirt Inc.
COR417389	Construction	Zak Dirt Inc.
COR416699	Construction	TCC Corporation
COR416699	Construction	TCC Corporation
COR418900	Construction	JHL Constructors Inc
COR418900	Construction	JHL Constructors Inc
COR411968	Construction	RangeWater Real Estate
COR411968	Construction	RangeWater Real Estate
COR418288	Construction	Town of Monument
COR418288	Construction	Town of Monument
COR411564	Construction	Covington Homes LLC
COR411564	Construction	Covington Homes LLC
COG604341	Construction	Noble Energy Inc
COG604341	Construction	Noble Energy Inc
COR410941	Construction	THB Baseline LLC
COR410941	Construction	THB Baseline LLC
COG080592	Construction	Oldcastle SW Group, Inc. dba United Companies
COG080592	Construction	Oldcastle SW Group, Inc. dba United Companies
COR412074	Construction	Coyote Ridge Construction
COR412074	Construction	Coyote Ridge Construction

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PermitID	Sector	Permittee
COG080601	Construction	HEI Civil
COG080601	Construction	HEI Civil
COR402164	Construction	Heron Lakes Investments LLC
COR402164	Construction	Heron Lakes Investments LLC
COR419249	Construction	Public Service Company of Colorado (PSCo)
COR419249	Construction	Public Service Company of Colorado (PSCo)
COR418861	Construction	HEI Civil
COR418861	Construction	HEI Civil
COR412933	Construction	GLH Construction LLC
COR412933	Construction	GLH Construction LLC
COR413517	Construction	Vantage Homes Corp.
COR413517	Construction	Vantage Homes Corp.
COR415198	Construction	Saunders Construction, LLC
COR415198	Construction	Saunders Construction, LLC
COR415232	Construction	Stone Age, LLC dba RM Construction
COR415232	Construction	Stone Age, LLC dba RM Construction
COR400077	Construction	Aerotropolis Area Coordinating Metro District
COR400077	Construction	Aerotropolis Area Coordinating Metro District
COR419227	Construction	Siete, Inc.
COR419227	Construction	Siete, Inc.
COR415517	Construction	Firelight Development, Inc.
COR415517	Construction	Firelight Development, Inc.
COR400631	Construction	C & C Land LLC
COR400631	Construction	C & C Land LLC
COR413629	Construction	AP Mountain States, LLC
COR413629	Construction	AP Mountain States, LLC
COR411059	Construction	Wonderland Homes
COR411059	Construction	Wonderland Homes
COR402164	Construction	Heron Lakes Investments LLC
COR402164	Construction	Heron Lakes Investments LLC
COR413323	Construction	Evergreen Development Company-2020, L.L.C
COR413323	Construction	Evergreen Development Company-2020, L.L.C
COR400042	Construction	Zocalo Construction
COR400042	Construction	Zocalo Construction
COR403988	Construction	Richmond American Homes of Colorado Inc
COR403988	Construction	Richmond American Homes of Colorado Inc
COR415206	Construction	Toll Southwest, LLC
COR415206	Construction	Toll Southwest, LLC
COR412566	Construction	Colliers Hill Metropolitan District No. 3
COR412566	Construction	Colliers Hill Metropolitan District No. 3
COR410610	Construction	Covington Homes
COR410610	Construction	Covington Homes
COR414492	Construction	Lokal Homes LLC
COR414492	Construction	Lokal Homes LLC
COR416127	Construction	Melody Homes
COR416127	Construction	Melody Homes
COR414510	Construction	RVC Construction
COR414510	Construction	RVC Construction

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PermitID	Sector	Permittee
COR411716	Construction	HEI Civil
COR411716	Construction	HEI Civil
COR403818	Construction	Raindance Land Company LLC
COR403818	Construction	Raindance Land Company LLC
COR411267	Construction	Erie Land Company, LLC
COR411267	Construction	Erie Land Company, LLC
COG080625	Construction	Coyote Ridge Construction, LLC
COG080625	Construction	Coyote Ridge Construction, LLC
COR418145	Construction	Brinkman Construction, Inc.
COR418145	Construction	Brinkman Construction, Inc.
COR412851	Construction	HEI Civil
COR412851	Construction	HEI Civil
COR419356	Construction	City Of Grand Junction
COR419356	Construction	City Of Grand Junction
COR412138	Construction	Richmond American Homes of Colorado, Inc.
COR412138	Construction	Richmond American Homes of Colorado, Inc.
COR416657	Construction	AP Mountain States, LLC
COR416657	Construction	AP Mountain States, LLC
COR418640	Construction	Fransen Pittman General Contractors
COR418640	Construction	Fransen Pittman General Contractors
COR407972	Construction	Hansen Construction, Inc.
COR407972	Construction	Hansen Construction, Inc.
COR411173	Construction	Lokal Homes, LLC
COR411173	Construction	Lokal Homes, LLC
COG080182	Construction	Turner Construction Company
COG080182	Construction	Turner Construction Company
COR415260	Construction	Boulder Creek Neighborhoods LLC
COR415260	Construction	Boulder Creek Neighborhoods LLC
COR414902	Construction	Meritage Homes of Colorado, Inc.
COR414902	Construction	Meritage Homes of Colorado, Inc.
COR415278	Construction	Campbell Homes, LLC
COR415278	Construction	Campbell Homes, LLC
COR416861	Construction	Siete Inc.
COR416861	Construction	Siete Inc.
COR419263	Construction	Harmonic Construction Service, Inc.
COR419263	Construction	Harmonic Construction Service, Inc.
COR405152	Construction	E 1/4 Development LLC
COR405152	Construction	E 1/4 Development LLC
COR400413	Construction	Berthoud Homes LLC
COR400413	Construction	Berthoud Homes LLC
COR418812	Construction	Beck Building Company
COR418812	Construction	Beck Building Company
COG080516	Construction	Connell Resources, Inc
COG080516	Construction	Connell Resources, Inc
COR415196	Construction	HEI Civil
COR415196	Construction	HEI Civil
COR406085	Construction	Landmark Homes
COR406085	Construction	Landmark Homes

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PermitID	Sector	Permittee
COR415272	Construction	Connell Resources, Inc.
COR415272	Construction	Connell Resources, Inc.
COR415173	Construction	Tezak Heavy Equipment
COR415173	Construction	Tezak Heavy Equipment
COR408945	Construction	WE O'Neil Construction Company of Colorado
COR408945	Construction	WE O'Neil Construction Company of Colorado
COR415491	Construction	DSP Builders, Inc.
COR415491	Construction	DSP Builders, Inc.
COR405760	Construction	Richmond American Homes of Colorado, Inc.
COR405760	Construction	Richmond American Homes of Colorado, Inc.
COR410710	Construction	Timberridge Development Group, LLC
COR410710	Construction	Timberridge Development Group, LLC
COR400884	Construction	Challenger Communities LLC
COR400884	Construction	Challenger Communities LLC
COR413866	Construction	Challenger Communities, LLC
COR413866	Construction	Challenger Communities, LLC
COR403958	Construction	Richmond American Homes of Colorado Inc
COR403958	Construction	Richmond American Homes of Colorado Inc
COG080199	Construction	Classic Homes
COG080199	Construction	Classic Homes
COR404847	Construction	Vanguard Homes, Inc.
COR404847	Construction	Vanguard Homes, Inc.
COR414928	Construction	Rutgers Construction
COR414928	Construction	Rutgers Construction
COR400631	Construction	C & C Land LLC
COR400631	Construction	C & C Land LLC
COR406304	Construction	Martines Palmeiro Construction
COR406304	Construction	Martines Palmeiro Construction
COR417109	Construction	Perry Reid Construction, LLC
COR417109	Construction	Perry Reid Construction, LLC
COR417463	Construction	B.C. Builders, llc
COR417463	Construction	B.C. Builders, llc
COR417737	Construction	Clearwater Capital Holdings, LLC
COR417737	Construction	Clearwater Capital Holdings, LLC
COR400880	Construction	Challenger Building LLC
COR400880	Construction	Challenger Building LLC
COR412696	Construction	Thompson Thrift Construction
COR412696	Construction	Thompson Thrift Construction
COG317050	Construction	Private development
COG317050	Construction	Private development
COR419018	Construction	Shea Properties LLC
COR419018	Construction	Shea Properties LLC
COR408797	Construction	Oakwood Homes
COR408797	Construction	Oakwood Homes
COR409907	Construction	Connell Resources, Inc.
COR409907	Construction	Connell Resources, Inc.
COR415098	Construction	Melody Homes
COR415098	Construction	Melody Homes



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PermitID	Sector	Permittee
COR400841	Construction	Century Communities Inc
COR400841	Construction	Century Communities Inc
COR403355	Construction	Oakwood Homes LLC
COR403355	Construction	Oakwood Homes LLC
COR401353	Construction	Development Management Inc
COR401353	Construction	Development Management Inc
COR417348	Construction	Baker Construction
COR417348	Construction	Baker Construction
COR416179	Construction	Baker Builders, LLC
COR416179	Construction	Baker Builders, LLC
COR402855	Construction	Lokal Homes LLC
COR402855	Construction	Lokal Homes LLC
COR411592	Construction	Pure Cycle Corporation
COR411592	Construction	Pure Cycle Corporation
COR413808	Construction	Naranjo Civil Constructors Inc
COR413808	Construction	Naranjo Civil Constructors Inc
COR401765	Construction	Black Timber Builders, LLC
COR401765	Construction	Black Timber Builders, LLC
COR410051	Construction	Pulpit Rock Investments, LLC
COR410051	Construction	Pulpit Rock Investments, LLC
COR411600	Construction	Baxter Construction Company, L.L.C.
COR411600	Construction	Baxter Construction Company, L.L.C.
COR419422	Construction	Goodwin Knight, LLC
COR419422	Construction	Goodwin Knight, LLC
COR415445	Construction	M.A. Mortenson Company
COR415445	Construction	M.A. Mortenson Company
COR402519	Construction	KB Home Colorado Inc
COR402519	Construction	KB Home Colorado Inc
COR410297	Construction	Oakwood Homes LLC
COR410297	Construction	Oakwood Homes LLC
COG080290	Construction	Garney Construction Co.
COG080290	Construction	Garney Construction Co.
COR415074	Construction	Double B Development Corp
COR415074	Construction	Double B Development Corp
COR419877	Construction	Meritage Homes of Colorado, Inc.
COR419877	Construction	Meritage Homes of Colorado, Inc.
COR415370	Construction	Scott Contracting, Inc.
COR415370	Construction	Scott Contracting, Inc.
COG080518	Construction	CGRS, Inc.
COG080518	Construction	CGRS, Inc.
COR418493	Construction	Naranjo Civil Constructors Inc
COR418493	Construction	Naranjo Civil Constructors Inc
COR415098	Construction	Melody Homes
COR415098	Construction	Melody Homes
COR416127	Construction	Melody Homes
COR416127	Construction	Melody Homes
COR418272	Construction	Roche Constructors, Inc.
COR418272	Construction	Roche Constructors, Inc.

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PermitID	Sector	Permittee
COR419508	Construction	Nunn Construction
COR419508	Construction	Nunn Construction
COR402164	Construction	Heron Lakes Investments LLC
COR402164	Construction	Heron Lakes Investments LLC
COR412919	Construction	Mayberry Communities
COR412919	Construction	Mayberry Communities
COG080254	Construction	Hall Irwin Corporation
COG080254	Construction	Hall Irwin Corporation
COR410033	Construction	Thompson Thrift Construction
COR410033	Construction	Thompson Thrift Construction
COR400413	Construction	Berthoud Homes LLC
COR400413	Construction	Berthoud Homes LLC
COR409742	Construction	CND-Trailside, LLC
COR409742	Construction	CND-Trailside, LLC
COG080585	Construction	BT Construction
COG080585	Construction	BT Construction
COR415511	Construction	Coyote Ridge Construction, LLC
COR415511	Construction	Coyote Ridge Construction, LLC
COR408260	Construction	HT Land Partners, LLC
COR408260	Construction	HT Land Partners, LLC
COR407892	Construction	Raindance Land Company, LLC
COR407892	Construction	Raindance Land Company, LLC
COR411564	Construction	Covington Homes LLC
COR411564	Construction	Covington Homes LLC
COR405778	Construction	Flatiron Constructors, Inc.
COR405778	Construction	Flatiron Constructors, Inc.
COR410929	Construction	Haselden Construction
COR410929	Construction	Haselden Construction
COR415419	Construction	Aspen View Homes
COR415419	Construction	Aspen View Homes
COR419877	Construction	Meritage Homes of Colorado, Inc.
COR419877	Construction	Meritage Homes of Colorado, Inc.
COR406478	Construction	Toll Bros., Inc.
COR406478	Construction	Toll Bros., Inc.
COR419554	Construction	Public Service Company of Colorado
COR419554	Construction	Public Service Company of Colorado
COR419096	Construction	Coyote Ridge Construction, LLC.
COR419096	Construction	Coyote Ridge Construction, LLC.
COR412138	Construction	Richmond American Homes of Colorado, Inc.
COR412138	Construction	Richmond American Homes of Colorado, Inc.
COR406596	Construction	Kelley Trucking Inc.
COR406596	Construction	Kelley Trucking Inc.
COG080689	Construction	9151 West Colfax Ave LLC
COG080689	Construction	9151 West Colfax Ave LLC
COR410674	Construction	Melody Homes, Inc./DR Horton
COR410674	Construction	Melody Homes, Inc./DR Horton
COR418083	Construction	W.E. O'Neil Construction Co.
COR418083	Construction	W.E. O'Neil Construction Co.

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PermitID	Sector	Permittee
COR406278	Construction	Challenger Building, LLC
COR406278	Construction	Challenger Building, LLC
COR412544	Construction	David Weekley Homes
COR412544	Construction	David Weekley Homes
COR412843	Construction	COLA, LLC
COR412843	Construction	COLA, LLC
COR409386	Construction	Level I Homes, Inc.
COR409386	Construction	Level I Homes, Inc.
COR417235	Construction	Alliance Construction Solutions, LLC
COR417235	Construction	Alliance Construction Solutions, LLC
COR420063	Construction	Baseline Metro District No. 1
COR420063	Construction	Baseline Metro District No. 1
COR401174	Construction	Creekstone Homes Inc
COR401174	Construction	Creekstone Homes Inc
COR414728	Construction	Iron Woman Construction & Environmental Services, LLC
COR414728	Construction	Iron Woman Construction & Environmental Services, LLC
COR411679	Construction	HEI Civil
COR411679	Construction	HEI Civil
COG080242	Construction	Garney Construction Co.
COG080242	Construction	Garney Construction Co.
COG080239	Construction	Garney Construction Co.
COG080239	Construction	Garney Construction Co.
COR417524	Construction	ESCO Construction Co.
COR417524	Construction	ESCO Construction Co.
COR418331	Construction	Dream Finders Homes
COR418331	Construction	Dream Finders Homes
COR420129	Construction	Public Service Company of Colorado (PSCo)
COR420129	Construction	Public Service Company of Colorado (PSCo)
COR415038	Construction	Bridgewater Homes, LLC
COR415038	Construction	Bridgewater Homes, LLC
COR419422	Construction	Goodwin Knight, LLC
COR419422	Construction	Goodwin Knight, LLC
COR406924	Construction	Water Valley Land Company
COR406924	Construction	Water Valley Land Company
COR402022	Construction	B & B Custom Homes, LLC
COR402022	Construction	B & B Custom Homes, LLC
COR410369	Construction	Elite Properties of America, Inc.
COR410369	Construction	Elite Properties of America, Inc.
COR415354	Construction	Elite Properties of America, Inc.
COR415354	Construction	Elite Properties of America, Inc.
COR401206	Construction	Richmond American Homes of Colorado, Inc.
COR401206	Construction	Richmond American Homes of Colorado, Inc.
COR412074	Construction	Coyote Ridge Construction
COR412074	Construction	Coyote Ridge Construction
COG317114	Construction	Ames Construction
COG317114	Construction	Ames Construction
COR415491	Construction	DSP Builders, Inc.
COR415491	Construction	DSP Builders, Inc.

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PermitID	Sector	Permittee
COR407812	Construction	Castle Rock Development Company
COR407812	Construction	Castle Rock Development Company
COR413901	Construction	Maximum Services, Inc.
COR413901	Construction	Maximum Services, Inc.
COR400836	Construction	Century Communities Inc
COR400836	Construction	Century Communities Inc
COG080706	Construction	Blackeagle Energy Services
COG080706	Construction	Blackeagle Energy Services
COR413878	Construction	W.E. O'Neil Construction Company of Colorado
COR413878	Construction	W.E. O'Neil Construction Company of Colorado
COR412242	Construction	Connell Resources, Inc.
COR412242	Construction	Connell Resources, Inc.
COR402579	Construction	Kitchel Lake Partners LLC
COR402579	Construction	Kitchel Lake Partners LLC
COR416524	Construction	Horizon View Homes LLC
COR416524	Construction	Horizon View Homes LLC
COR420267	Construction	Public Service Company of Colorado (PSCo)
COR420267	Construction	Public Service Company of Colorado (PSCo)
COR419458	Construction	Pinkard Construction
COR419458	Construction	Pinkard Construction
COR402164	Construction	Heron Lakes Investments LLC
COR402164	Construction	Heron Lakes Investments LLC
COR407351	Construction	Brinkmann Constructors
COR407351	Construction	Brinkmann Constructors
COR404124	Construction	Covington Homes LLC
COR404124	Construction	Covington Homes LLC
COR417425	Construction	Covington Homes LLC
COR417425	Construction	Covington Homes LLC
COR416779	Construction	Richmond American Homes of Colorado, Inc.
COR416779	Construction	Richmond American Homes of Colorado, Inc.
COR420299	Construction	Public Service Company of Colorado (PSCo)
COR420299	Construction	Public Service Company of Colorado (PSCo)
COR403842	Construction	RE II Industrial II LLC
COR403842	Construction	RE II Industrial II LLC
COR417107	Construction	COLORADO ACADEMY
COR417107	Construction	COLORADO ACADEMY
COR412580	Construction	Century Communities, Inc.
COR412580	Construction	Century Communities, Inc.
COR411137	Construction	Richmond American Homes of Colorado, Inc.
COR411137	Construction	Richmond American Homes of Colorado, Inc.
COG318061	Construction	Clayton Layne Owners Assn Inc
COG318061	Construction	Clayton Layne Owners Assn Inc
COR406478	Construction	Toll Bros., Inc.
COR406478	Construction	Toll Bros., Inc.
COR412566	Construction	Colliers Hill Metropolitan District No. 3
COR412566	Construction	Colliers Hill Metropolitan District No. 3
COR417051	Construction	Cardel Homes U.S. Limited Partnership
COR417051	Construction	Cardel Homes U.S. Limited Partnership

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PermitID	Sector	Permittee
COR418565	Construction	McCauley Constructors
COR418565	Construction	McCauley Constructors
COR412058	Construction	Baseline Metro District
COR412058	Construction	Baseline Metro District
COR416520	Construction	Baseline Metro District
COR416520	Construction	Baseline Metro District
COR417059	Construction	Concrete Express, Inc.
COR417059	Construction	Concrete Express, Inc.
COR416053	Construction	COLA, LLC
COR416053	Construction	COLA, LLC
COR400269	Construction	City of Aspen (Parks and Open Space)
COR400269	Construction	City of Aspen (Parks and Open Space)
COR408709	Construction	Pacific North Enterprises, LLC
COR408709	Construction	Pacific North Enterprises, LLC
COR416317	Construction	Concrete Express, Inc
COR416317	Construction	Concrete Express, Inc
COR419600	Construction	CDOT
COR419600	Construction	CDOT
COR408286	Construction	Oakwood Homes LLC
COR408286	Construction	Oakwood Homes LLC
COG080242	Construction	Garney Construction Co.
COG080242	Construction	Garney Construction Co.
COR411856	Construction	SH Lyric, LLC
COR411856	Construction	SH Lyric, LLC
COG080683	Construction	Connell Resources, Inc.
COG080683	Construction	Connell Resources, Inc.
COR416927	Construction	W.E. O'Neil Construction Company of Colorado
COR416927	Construction	W.E. O'Neil Construction Company of Colorado
COR403014	Construction	Melody Homes
COR403014	Construction	Melody Homes
COR412790	Construction	HS Estes Park LLC
COR412790	Construction	HS Estes Park LLC
COR416423	Construction	Robinson Construction Co.
COR416423	Construction	Robinson Construction Co.
COR409885	Construction	Taylor Morrison Colorado, Inc.
COR409885	Construction	Taylor Morrison Colorado, Inc.
COR418469	Construction	Roche Constructors, Inc.
COR418469	Construction	Roche Constructors, Inc.
COR413517	Construction	Vantage Homes Corp.
COR413517	Construction	Vantage Homes Corp.
COR401687	Construction	Flatiron   AECOM LLC
COR401687	Construction	Flatiron   AECOM LLC
COR417261	Construction	HEI Civil
COR417261	Construction	HEI Civil
COR401920	Construction	Gold Hill Neighborhood LLC
COR401920	Construction	Gold Hill Neighborhood LLC
COR405780	Construction	Flatiron Constructors, Inc.
COR405780	Construction	Flatiron Constructors, Inc.

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PermitID	Sector	Permittee
COR417045	Construction	Richmond American Homes of Colorado Inc
COR417045	Construction	Richmond American Homes of Colorado Inc
COR404332	Construction	Shaw Ltd
COR404332	Construction	Shaw Ltd
COR401174	Construction	Creekstone Homes Inc
COR401174	Construction	Creekstone Homes Inc
COG317118	Construction	Embrey Builders, LLC
COG317118	Construction	Embrey Builders, LLC
COR416127	Construction	Melody Homes
COR416127	Construction	Melody Homes
COR417127	Construction	Haselden Construction
COR417127	Construction	Haselden Construction
COR402892	Construction	Evergreen Devco, Inc.
COR402892	Construction	Evergreen Devco, Inc.
COR416671	Construction	Public Service Company of Colorado
COR416671	Construction	Public Service Company of Colorado
COR405841	Construction	Woodbury Corporation
COR405841	Construction	Woodbury Corporation
COR417409	Construction	FCI Constructors Inc.
COR417409	Construction	FCI Constructors Inc.
COR410259	Construction	2312 Monument Road, LLC
COR410259	Construction	2312 Monument Road, LLC
COR411866	Construction	Haselden Construction
COR411866	Construction	Haselden Construction
COR419271	Construction	Crow Creek Construction LLC
COR419271	Construction	Crow Creek Construction LLC
COR413495	Construction	Crow Creek Construction, LLC
COR413495	Construction	Crow Creek Construction, LLC
COR417530	Construction	High Country Construction of Durango, LLC
COR417530	Construction	High Country Construction of Durango, LLC
COR415370	Construction	Scott Contracting, Inc.
COR415370	Construction	Scott Contracting, Inc.
COR412268	Construction	Melody Homes
COR412268	Construction	Melody Homes
COR405350	Construction	City of Thornton
COR405350	Construction	City of Thornton
COR414770	Construction	Pacific North Enterprises, LLC
COR414770	Construction	Pacific North Enterprises, LLC
COR420308	Construction	Golden Triangle Construction
COR420308	Construction	Golden Triangle Construction
COR410491	Construction	Groundworks Development
COR410491	Construction	Groundworks Development
COR419731	Construction	Public Service Company of Colorado (PSCo)
COR419731	Construction	Public Service Company of Colorado (PSCo)
COR414744	Construction	Melody Homes
COR414744	Construction	Melody Homes
COR415463	Construction	Brightland Homes
COR415463	Construction	Brightland Homes



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PermitID	Sector	Permittee
COR417440	Construction	TreyTyn Homes LLC
COR417440	Construction	TreyTyn Homes LLC
COG080585	Construction	BT Construction
COG080585	Construction	BT Construction
COR416895	Construction	Kiewit Infrastructure Co.
COR416895	Construction	Kiewit Infrastructure Co.
COR406278	Construction	Challenger Building, LLC
COR406278	Construction	Challenger Building, LLC
COR411063	Construction	Vantage Homes Corp.
COR411063	Construction	Vantage Homes Corp.
COR418722	Construction	JHL Constructors
COR418722	Construction	JHL Constructors
COR414866	Construction	Howell Construction
COR414866	Construction	Howell Construction
COR415113	Construction	WRD4 Greeley Property, LLC
COR415113	Construction	WRD4 Greeley Property, LLC
COR405778	Construction	Flatiron Constructors, Inc.
COR405778	Construction	Flatiron Constructors, Inc.
COR418828	Construction	DFH Mandarin, LLC
COR418828	Construction	DFH Mandarin, LLC
COR416243	Construction	JHL CONSTRUCTORS, INC
COR416243	Construction	JHL CONSTRUCTORS, INC
COR409702	Construction	Waste Management Disposal Services of Colorado, Inc.
COR409702	Construction	Waste Management Disposal Services of Colorado, Inc.
COR419016	Construction	PCL Construction Services, Inc.
COR419016	Construction	PCL Construction Services, Inc.
COR417508	Construction	GH Phipps Construction Companies
COR417508	Construction	GH Phipps Construction Companies
COR408262	Construction	Mountain Brook Partners
COR408262	Construction	Mountain Brook Partners
COR419793	Construction	Richmond American Homes of Colorado, Inc.
COR419793	Construction	Richmond American Homes of Colorado, Inc.
COR400584	Construction	Brookfield Residential Colorado LLC
COR400584	Construction	Brookfield Residential Colorado LLC
COR400585	Construction	Brookfield Residential, LLC
COR400585	Construction	Brookfield Residential, LLC
COR415226	Construction	Melody Homes
COR415226	Construction	Melody Homes
COR411974	Construction	BLH No. 2, LLC
COR411974	Construction	BLH No. 2, LLC
COR415098	Construction	Melody Homes
COR415098	Construction	Melody Homes
COR410604	Construction	FC Stapleton Homes LLC
COR410604	Construction	FC Stapleton Homes LLC
COG080689	Construction	9151 West Colfax Ave LLC
COG080689	Construction	9151 West Colfax Ave LLC
COR418413	Construction	BT Construction, Inc
COR418413	Construction	BT Construction, Inc

## Appendix B - Permit Modifications

PermitID	Sector	Permittee
COR410153	Construction	The Jones District, LLC
COR410153	Construction	The Jones District, LLC
COR418152	Construction	Hillside Commercial Group
COR418152	Construction	Hillside Commercial Group
COR414524	Construction	Taylor Morrison of Colorado, Inc.
COR414524	Construction	Taylor Morrison of Colorado, Inc.
COR409907	Construction	Connell Resources, Inc.
COR409907	Construction	Connell Resources, Inc.
COR411556	Construction	LGI Homes Colorado LLC
COR411556	Construction	LGI Homes Colorado LLC
COR403238	Construction	Nash Inspiration LLC
COR403238	Construction	Nash Inspiration LLC
COR413970	Construction	Ridgeview Investments, LLC
COR413970	Construction	Ridgeview Investments, LLC
COR407571	Construction	Lennar Colorado LLC
COR407571	Construction	Lennar Colorado LLC
COR411564	Construction	Covington Homes LLC
COR411564	Construction	Covington Homes LLC
COG080740	Construction	Toll Southwest LLC
COG080740	Construction	Toll Southwest LLC
COR416415	Construction	J-25 Land Holdings, LLC c/o AGORA WEST REAL ESTATE GROU
COR416415	Construction	J-25 Land Holdings, LLC c/o AGORA WEST REAL ESTATE GROU
COR416877	Construction	Southern Land Company, LLC
COR416877	Construction	Southern Land Company, LLC
COR400938	Construction	Clayton Properties Group II
COR400938	Construction	Clayton Properties Group II
COG317125	Construction	HPM, Inc.
COG317125	Construction	HPM, Inc.
COR417282	Construction	W.E. O'Neil Construction Co.
COR417282	Construction	W.E. O'Neil Construction Co.
COR419320	Construction	Reynolds Construction, LLC
COR419320	Construction	Reynolds Construction, LLC
COR410674	Construction	Melody Homes, Inc./DR Horton
COR410674	Construction	Melody Homes, Inc./DR Horton
COR416127	Construction	Melody Homes
COR416127	Construction	Melody Homes
COR405479	Construction	JB Homes LLC
COR405479	Construction	JB Homes LLC
COR411267	Construction	Erie Land Company, LLC
COR411267	Construction	Erie Land Company, LLC
COG080735	Construction	Coyote Ridge Construction, LLC.
COG080735	Construction	Coyote Ridge Construction, LLC.
COR417775	Construction	Colorado Structures Inc.
COR417775	Construction	Colorado Structures Inc.
COR417777	Construction	Colorado Structures
COR417777	Construction	Colorado Structures
COR418107	Construction	PCL Construction, Inc.
COR418107	Construction	PCL Construction, Inc.

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PermitID	Sector	Permittee
COR420485	Construction	Public Service Company of Colorado
COR420485	Construction	Public Service Company of Colorado
COR405152	Construction	E 1/4 Development LLC
COR405152	Construction	E 1/4 Development LLC
COR409756	Construction	Oakwood Homes
COR409756	Construction	Oakwood Homes
COR401527	Construction	Elite Properties of America, Inc
COR401527	Construction	Elite Properties of America, Inc
COR415450	Construction	Epic Homes
COR415450	Construction	Epic Homes
COR413609	Construction	Richfield Homes, LLC
COR413609	Construction	Richfield Homes, LLC
COR418101	Construction	Haselden Construction
COR418101	Construction	Haselden Construction
COR419030	Construction	Connell Resources, Inc.
COR419030	Construction	Connell Resources, Inc.
COR419271	Construction	Crow Creek Construction LLC
COR419271	Construction	Crow Creek Construction LLC
COR418413	Construction	BT Construction, Inc
COR418413	Construction	BT Construction, Inc
COR419100	Construction	HEI Civil
COR419100	Construction	HEI Civil
COR411576	Construction	Covington Homes LLC
COR411576	Construction	Covington Homes LLC
COG318123	Construction	1900 Lawrence Title Holder LLC
COG318123	Construction	1900 Lawrence Title Holder LLC
COR411011	Construction	Castle Pines Summit, LLC.
COR411011	Construction	Castle Pines Summit, LLC.
COR401353	Construction	Development Management Inc
COR401353	Construction	Development Management Inc
COR400077	Construction	Aerotropolis Area Coordinating Metro District
COR400077	Construction	Aerotropolis Area Coordinating Metro District
COR420770	Construction	Century Communities, Inc.
COR420770	Construction	Century Communities, Inc.
COR420604	Construction	Google Fiber Colorado, LLC
COR420604	Construction	Google Fiber Colorado, LLC
COR413477	Construction	Tri Pointe Homes, Inc.
COR413477	Construction	Tri Pointe Homes, Inc.
COR418826	Construction	Horizon Cache, LLC
COR418826	Construction	Horizon Cache, LLC
COR416415	Construction	J-25 Land Holdings, LLC c/o AGORA WEST REAL ESTATE GROU
COR416415	Construction	J-25 Land Holdings, LLC c/o AGORA WEST REAL ESTATE GROU
COR404338	Construction	Shea Homes LP
COR404338	Construction	Shea Homes LP
COR413824	Construction	Roche Constructors, Inc.
COR413824	Construction	Roche Constructors, Inc.
COR420133	Construction	Crow Creek Construction
COR420133	Construction	Crow Creek Construction

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PermitID	Sector	Permittee
COR420903	Construction	Richmond American Homes of Colorado Inc
COR420903	Construction	Richmond American Homes of Colorado Inc
COG318061	Construction	Clayton Layne Owners Assn Inc
COG318061	Construction	Clayton Layne Owners Assn Inc
COR412686	Construction	Aspen View Homes, LLC
COR412686	Construction	Aspen View Homes, LLC
COR417505	Construction	Na Alii Consulting & Sales LLC
COR417505	Construction	Na Alii Consulting & Sales LLC
COG080345	Construction	Barnard Construction Company Inc.
COG080345	Construction	Barnard Construction Company Inc.
COR419530	Construction	Roche Constructors, Inc.
COR419530	Construction	Roche Constructors, Inc.
COR420944	Construction	GLH Construction, LLC
COR420944	Construction	GLH Construction, LLC
COR402519	Construction	KB Home Colorado Inc
COR402519	Construction	KB Home Colorado Inc
COR409907	Construction	Connell Resources, Inc.
COR409907	Construction	Connell Resources, Inc.
COR413611	Construction	Richfield Homes, LLC
COR413611	Construction	Richfield Homes, LLC
COG080522	Construction	HPM, Inc.
COG080522	Construction	HPM, Inc.
COR418073	Construction	B.C. Builders, LLC
COR418073	Construction	B.C. Builders, LLC
COR407860	Construction	Tri Pointe Homes, Inc.
COR407860	Construction	Tri Pointe Homes, Inc.
COR411534	Construction	Masterbilt Homes, Inc.
COR411534	Construction	Masterbilt Homes, Inc.
COR402519	Construction	KB Home Colorado Inc
COR402519	Construction	KB Home Colorado Inc
COR403818	Construction	Raindance Land Company LLC
COR403818	Construction	Raindance Land Company LLC
COG318059	Construction	Graland Country Day School
COG318059	Construction	Graland Country Day School
COG317024	Construction	Iron Woman Construction and Environmental Services
COG317024	Construction	Iron Woman Construction and Environmental Services
COR403368	Construction	Oakwood Homes LLC
COR403368	Construction	Oakwood Homes LLC
COR419763	Construction	Hall-Irwin Corporation
COR419763	Construction	Hall-Irwin Corporation
COR403135	Construction	M.A. Mortenson Company
COR403135	Construction	M.A. Mortenson Company
COR416883	Construction	Public Service Company of Colorado (PSCo)
COR416883	Construction	Public Service Company of Colorado (PSCo)
COR416456	Construction	Fransen Pittman
COR416456	Construction	Fransen Pittman
COG317109	Construction	KSE Elitch Gardens / Revesco / Second City, LLLP
COG317109	Construction	KSE Elitch Gardens / Revesco / Second City, LLLP

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PermitID	Sector	Permittee
COR416961	Construction	Baker Constructors
COR416961	Construction	Baker Constructors
COR414316	Construction	SEMA Construction Inc.
COR414316	Construction	SEMA Construction Inc.
COR416375	Construction	Connell Resources, Inc
COR416375	Construction	Connell Resources, Inc
COR420149	Construction	Alpine Civil Construction, Inc.
COR420149	Construction	Alpine Civil Construction, Inc.
COR406278	Construction	Challenger Building, LLC
COR406278	Construction	Challenger Building, LLC
COR410137	Construction	LGI Homes Colorado LLC
COR410137	Construction	LGI Homes Colorado LLC
COR420810	Construction	dba GH Phipps Construction Companies / Gerald H Phipps Co
COR420810	Construction	dba GH Phipps Construction Companies / Gerald H Phipps Co
COR416474	Construction	Oakwood Homes
COR416474	Construction	Oakwood Homes
COR403355	Construction	Oakwood Homes LLC
COR403355	Construction	Oakwood Homes LLC
COR417115	Construction	Horizon View Homes
COR417115	Construction	Horizon View Homes
COR404340	Construction	Shea Homes LP
COR404340	Construction	Shea Homes LP
COR400631	Construction	C & C Land LLC
COR400631	Construction	C & C Land LLC
COR419016	Construction	PCL Construction Services, Inc.
COR419016	Construction	PCL Construction Services, Inc.
COR420772	Construction	Gerrard Excavating, Inc.
COR420772	Construction	Gerrard Excavating, Inc.
COR402568	Construction	Kinder Morgan Inc
COR402568	Construction	Kinder Morgan Inc
COG317127	Construction	30 Pearl Q4 OZ, LLC
COG317127	Construction	30 Pearl Q4 OZ, LLC
COR420063	Construction	Baseline Metro District No. 1
COR420063	Construction	Baseline Metro District No. 1
COR414912	Construction	Melody Homes
COR414912	Construction	Melody Homes
COG317115	Construction	Flatiron Constructors, Inc.
COG317115	Construction	Flatiron Constructors, Inc.
COR420944	Construction	GLH Construction, LLC
COR420944	Construction	GLH Construction, LLC
COR421132	Construction	CDOT R1
COR421132	Construction	CDOT R1
COR402562	Construction	Kiewit Infrastructure Co
COR402562	Construction	Kiewit Infrastructure Co
COR420867	Construction	Public Service Company of Colorado (PSCo)
COR420867	Construction	Public Service Company of Colorado (PSCo)
COR406554	Construction	Elite Properties of America, Inc.
COR406554	Construction	Elite Properties of America, Inc.

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PermitID	Sector	Permittee
COR407868	Construction	Oakwood Homes, LLC
COR407868	Construction	Oakwood Homes, LLC
COR415272	Construction	Connell Resources, Inc.
COR415272	Construction	Connell Resources, Inc.
COR406478	Construction	Toll Bros., Inc.
COR406478	Construction	Toll Bros., Inc.
COR415364	Construction	DFH Mandarin, LLC
COR415364	Construction	DFH Mandarin, LLC
COR406278	Construction	Challenger Building, LLC
COR406278	Construction	Challenger Building, LLC
COR420857	Construction	Oakwood Homes LLC
COR420857	Construction	Oakwood Homes LLC
COR420887	Construction	Oakwood Homes LLC
COR420887	Construction	Oakwood Homes LLC
COR420853	Construction	Oakwood Homes LLC
COR420853	Construction	Oakwood Homes LLC
COR420855	Construction	Oakwood Homes LLC
COR420855	Construction	Oakwood Homes LLC
COR420859	Construction	Richmond American Homes of Colorado Inc
COR420859	Construction	Richmond American Homes of Colorado Inc
COR419004	Construction	City of Greeley
COR419004	Construction	City of Greeley
COR400891	Construction	Challenger Homes Inc
COR400891	Construction	Challenger Homes Inc
COR407128	Construction	Forest Lakes Residential Development, LLC
COR407128	Construction	Forest Lakes Residential Development, LLC
COR419877	Construction	Meritage Homes of Colorado, Inc.
COR419877	Construction	Meritage Homes of Colorado, Inc.
COR412419	Construction	Meritage Homes of Colorado Inc.
COR412419	Construction	Meritage Homes of Colorado Inc.
COR410560	Construction	RAINDANCE AQUATIC INVESTMENTS, LLC
COR410560	Construction	RAINDANCE AQUATIC INVESTMENTS, LLC
COR415338	Construction	Lennar Colorado LLC
COR415338	Construction	Lennar Colorado LLC
COR418894	Construction	Lennar Colorado LLC
COR418894	Construction	Lennar Colorado LLC
COR406019	Construction	Lennar Colorado LLC
COR406019	Construction	Lennar Colorado LLC
COR408573	Construction	Lennar Colorado LLC
COR408573	Construction	Lennar Colorado LLC
COR413699	Construction	Lennar Colorado LLC
COR413699	Construction	Lennar Colorado LLC
COR420095	Construction	Shaw Construction
COR420095	Construction	Shaw Construction
COR418491	Construction	TSG Del Camino, LLC
COR418491	Construction	TSG Del Camino, LLC
COR415181	Construction	My Storage Group
COR415181	Construction	My Storage Group



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PermitID	Sector	Permittee
COR403747	Construction	Public Service Co of Colorado
COR403747	Construction	Public Service Co of Colorado
COR420367	Construction	Gerrard Excavating
COR420367	Construction	Gerrard Excavating
COR417534	Construction	THB Sonders MF LLC
COR417534	Construction	THB Sonders MF LLC
COR410315	Construction	Intermountain Rural Electric Association
COR410315	Construction	Intermountain Rural Electric Association
COR420749	Construction	M.A. Mortenson Company
COR420749	Construction	M.A. Mortenson Company
COR420798	Construction	BC Builders, LLC
COR420798	Construction	BC Builders, LLC
COR418083	Construction	W.E. O'Neil Construction Co.
COR418083	Construction	W.E. O'Neil Construction Co.
COR404674	Construction	Timnath Ranch LLC
COR404674	Construction	Timnath Ranch LLC
COR413609	Construction	Richfield Homes, LLC
COR413609	Construction	Richfield Homes, LLC
COR419394	Construction	Custom On-Site Builders, Inc.
COR419394	Construction	Custom On-Site Builders, Inc.
COR407952	Construction	Oakwood Homes LLC
COR407952	Construction	Oakwood Homes LLC
COR407868	Construction	Oakwood Homes, LLC
COR407868	Construction	Oakwood Homes, LLC
COR415098	Construction	Melody Homes Inc
COR415098	Construction	Melody Homes Inc
COR420433	Construction	Melody Homes/ DBA DR Horton
COR420433	Construction	Melody Homes/ DBA DR Horton
COR414744	Construction	Melody Homes Inc
COR414744	Construction	Melody Homes Inc
COG317024	Construction	Iron Woman Construction and Environmental Services
COG317024	Construction	Iron Woman Construction and Environmental Services
COR417045	Construction	Richmond American Homes of Colorado Inc
COR417045	Construction	Richmond American Homes of Colorado Inc
COR415226	Construction	Melody Homes
COR415226	Construction	Melody Homes
COR415080	Construction	Challenger Communities, LLC
COR415080	Construction	Challenger Communities, LLC
COR400886	Construction	Challenger Communities LLC
COR400886	Construction	Challenger Communities LLC
COR412302	Construction	SEMA Construction, Inc.
COR412302	Construction	SEMA Construction, Inc.
COG080770	Construction	JHL Constructors
COG080770	Construction	JHL Constructors
COR417817	Construction	Trammell Crow Residential
COR417817	Construction	Trammell Crow Residential
COR400413	Construction	Berthoud Homes LLC
COR400413	Construction	Berthoud Homes LLC

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PermitID	Sector	Permittee
COR413321	Construction	Evergreen Development Company-2020, L.L.C
COR413321	Construction	Evergreen Development Company-2020, L.L.C
COR420911	Construction	Toll Bros., Inc.
COR420911	Construction	Toll Bros., Inc.
COR416341	Construction	Prosper Land & Development
COR416341	Construction	Prosper Land & Development
COR416691	Construction	Prosper Land and Development
COR416691	Construction	Prosper Land and Development
COR414318	Construction	SEMA Construction Inc.
COR414318	Construction	SEMA Construction Inc.
COR418358	Construction	SEMA Construction Inc.
COR418358	Construction	SEMA Construction Inc.
COR420147	Construction	CB Signature Homes
COR420147	Construction	CB Signature Homes
COR420903	Construction	Richmond American Homes of Colorado Inc
COR420903	Construction	Richmond American Homes of Colorado Inc
COR417532	Construction	THB Sonders SF LLC
COR417532	Construction	THB Sonders SF LLC
COR421041	Construction	Roche Constructors
COR421041	Construction	Roche Constructors
COR416879	Construction	THB Loretto Land LLC
COR416879	Construction	THB Loretto Land LLC
COR404847	Construction	Vanguard Homes, Inc.
COR404847	Construction	Vanguard Homes, Inc.
COR400961	Construction	Cola LLC
COR400961	Construction	Cola LLC
COR413962	Construction	Colorado Land Acquisition, LLC
COR413962	Construction	Colorado Land Acquisition, LLC
COG080620	Construction	Reynolds Construction, LLC
COG080620	Construction	Reynolds Construction, LLC
COR420337	Construction	Melody Homes/ DBA DR Horton
COR420337	Construction	Melody Homes/ DBA DR Horton
COR417440	Construction	TreyTyn Homes LLC
COR417440	Construction	TreyTyn Homes LLC
COR411564	Construction	Covington Homes LLC
COR411564	Construction	Covington Homes LLC
COR410165	Construction	Challenger Building, LLC
COR410165	Construction	Challenger Building, LLC
COR413503	Construction	Boulder Creek EC II LLC
COR413503	Construction	Boulder Creek EC II LLC
COR417127	Construction	Haselden Construction
COR417127	Construction	Haselden Construction
COR403374	Construction	Oakwood Homes LLC
COR403374	Construction	Oakwood Homes LLC
COR405841	Construction	Woodbury Corporation
COR405841	Construction	Woodbury Corporation
COR413970	Construction	Ridgeview Investments, LLC
COR413970	Construction	Ridgeview Investments, LLC

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PermitID	Sector	Permittee
COR408797	Construction	Oakwood Homes
COR408797	Construction	Oakwood Homes
COR417425	Construction	Covington Homes LLC
COR417425	Construction	Covington Homes LLC
COR415479	Construction	Hauck 16 1/2 and 5 Corporation
COR415479	Construction	Hauck 16 1/2 and 5 Corporation
COG080313	Construction	Twin Landfill Corp
COG080313	Construction	Twin Landfill Corp
COR415136	Construction	Eagle Development Co
COR415136	Construction	Eagle Development Co
COR414310	Construction	Taylor Kohrs
COR414310	Construction	Taylor Kohrs
COR411828	Construction	Richmond American Homes of Colorado, Inc.
COR411828	Construction	Richmond American Homes of Colorado, Inc.
COR417375	Construction	Tech Contractors
COR417375	Construction	Tech Contractors
COR421322	Construction	SEMA Construction Inc
COR421322	Construction	SEMA Construction Inc
COR419380	Construction	J-25 Land Holdings, LLC c/o AGORA WEST REAL ESTATE GROU
COR419380	Construction	J-25 Land Holdings, LLC c/o AGORA WEST REAL ESTATE GROU
COR408727	Construction	Challenger Communities LLC
COR408727	Construction	Challenger Communities LLC
COR418625	Construction	Burke Harrington Construction
COR418625	Construction	Burke Harrington Construction
COR413147	Construction	KB Home Colorado Inc
COR413147	Construction	KB Home Colorado Inc
COR415461	Construction	KB HOME COLORADO, INC.
COR415461	Construction	KB HOME COLORADO, INC.
COR419989	Construction	Kraemer North America LLC
COR419989	Construction	Kraemer North America LLC
COR405101	Construction	Natural Habitats
COR405101	Construction	Natural Habitats
COR409095	Construction	Tech Contractors
COR409095	Construction	Tech Contractors
COR414916	Construction	Quantum 56 Phase I LLC
COR414916	Construction	Quantum 56 Phase I LLC
COR411331	Construction	Tech Contractors
COR411331	Construction	Tech Contractors
COR406288	Construction	Saunders Construction, LLC
COR406288	Construction	Saunders Construction, LLC
COR070000	General Permit	CDPS Master General
COR070028	MS4	University of Colorado
COR070028	MS4	University of Colorado
COS000004	MS4	Colorado Springs City of
COX631050	Public and private utilities	Grover Town of
COX631050	Public and private utilities	Grover Town of
COX634010	Public and private utilities	Town of Bethune
COX634010	Public and private utilities	Town of Bethune

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PermitID	Sector	Permittee
COX634071	Public and private utilities	GS Pinon Pines LLC
COX634071	Public and private utilities	GS Pinon Pines LLC
COG590075	Public and private utilities	CDOT
COG591069	Public and private utilities	Bennett Town of
COG591069	Public and private utilities	Bennett Town of
COX631079	Public and private utilities	Alamosa County
COX631079	Public and private utilities	Alamosa County
COX634063	Public and private utilities	MHC Blue Mesa RV, L.L.C
COX634063	Public and private utilities	MHC Blue Mesa RV, L.L.C
COX631045	Public and private utilities	CDNR CPW
COX631045	Public and private utilities	CDNR CPW
COG590067	Public and private utilities	CDOT
COX631005	Public and private utilities	Alexander Dawson School
COX631005	Public and private utilities	Alexander Dawson School
COG641096	Public and private utilities	Denver Water
COG641096	Public and private utilities	Denver Water
COG590055	Public and private utilities	Central Clear Creek Sanitation District
COX634078	Public and private utilities	Colorado Department of Natural Resources, Colorado Parks and
COX634078	Public and private utilities	Colorado Department of Natural Resources, Colorado Parks and
COG641183	Public and private utilities	Mill Creek Park Water and Improvements Association
COG641183	Public and private utilities	Mill Creek Park Water and Improvements Association
COX634054	Public and private utilities	MR INV LLC
COX634054	Public and private utilities	MR INV LLC
COG590085	Public and private utilities	Aspen Village Metro District
COX634035	Public and private utilities	Sky Ranch Horn Creek
COX634035	Public and private utilities	Sky Ranch Horn Creek
COG590085	Public and private utilities	Aspen Village Metro District
COG641210	Public and private utilities	Kiewit Infrastructure Co.
COG641210	Public and private utilities	Kiewit Infrastructure Co.
COG641204	Public and private utilities	Cherokee Metropolitan District
COG641204	Public and private utilities	Cherokee Metropolitan District
COG641209	Public and private utilities	Denver Water
COG641209	Public and private utilities	Denver Water
COX634063	Public and private utilities	MHC Blue Mesa RV, L.L.C
COX634063	Public and private utilities	MHC Blue Mesa RV, L.L.C
COG641204	Public and private utilities	Cherokee Metropolitan District
COG641204	Public and private utilities	Cherokee Metropolitan District
COX634035	Public and private utilities	Sky Ranch Horn Creek
COX634035	Public and private utilities	Sky Ranch Horn Creek
CO0020281	Public and private utilities	Del Norte Town of
CO0020443	Public and private utilities	Crested Butte Town of
CO0020443	Public and private utilities	Crested Butte Town of
CO0020443	Public and private utilities	Crested Butte Town of
CO0024171	Public and private utilities	Westminster City of
CO0026671	Public and private utilities	Longmont City of
CO0031755	Public and private utilities	Pagosa Area Water and Sanitation Dist
CO0040975	Public and private utilities	Antonito Town of
CO0041840	Public and private utilities	Telluride Town of

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PermitID	Sector	Permittee
CO0043044	Public and private utilities	Perry Park Water and Sanitation District
COX048348	Public and private utilities	Cherokee Metropolitan District

## Appendix C Additional Metrics Information

Table C-1 Summary of backlogged permits and certifications by permit type

Permit Type	No. of backlogged permits	No. of current permits	Total	Percent of backlogged permits
Groundwater process water individual permits				
Backlogged permits as of Sept. 30, 2017	15	4	19	79%
Backlogged permits as of Sept. 30, 2018	13	5	18	72%
Backlogged permits as of Sept. 30, 2019	14	3	17	82%
Backlogged permits as of Sept. 30, 2020	11	1	12	92%
Backlogged permits as of Sept. 30, 2021	9	1	10	90%
Backlogged permits as of Sept. 30, 2022	9	1	10	90%
Backlogged permits as of Sept. 30, 2023	10	0	10	100%
Groundwater process water general permit certifications				
Backlogged permits as of Sept. 30, 2017	135	0	135	100%
Backlogged permits as of Sept. 30, 2018	129	7	136	95%
Backlogged permits as of Sept. 30, 2019	88	45	133	66%
Backlogged permits as of Sept. 30, 2020	54	80	134	40%
Backlogged permits as of Sept. 30, 2021	40	80	120	33%
Backlogged permits as of Sept. 30, 2022	38	80	118	32%
Backlogged permits as of Sept. 30, 2023	82	38	120	68%
Pesticides application general permit certifications				
Backlogged permits as of Sept. 30, 2017	0	73	73	0%
Backlogged permits as of Sept. 30, 2018	0	75	75	0%
Backlogged permits as of Sept. 30, 2019	0	76	76	0%
Backlogged permits as of Sept. 30, 2020	0	79	79	0%
Backlogged permits as of Sept. 30, 2021	0	78	78	0%
Backlogged permits as of Sept. 30, 2022	0	78	78	0%
Backlogged permits as of Sept. 30, 2023	0	79	79	0%
Surface water stormwater individual permits				



Permit Type	No. of backlogged permits	No. of current permits	Total	Percent of backlogged permits
Backlogged permits as of Sept. 30, 2017	5	2	7	71%
Backlogged permits as of Sept. 30, 2018	6	1	7	86%
Backlogged permits as of Sept. 30, 2019	6	1	7	86%
Backlogged permits as of Sept. 30, 2020	6	1	7	86%
Backlogged permits as of Sept. 30, 2021	5	2	7	71%
Backlogged permits as of Sept. 30, 2022	4	3	7	57%
Backlogged permits as of Sept. 30, 2023	4	3	7	57%
<b>Surface water individual permits</b>				
Backlogged permits as of Sept. 30, 2017	123	245	368	33%
Backlogged permits as of Sept. 30, 2018	138	242	380	36%
Backlogged permits as of Sept. 30, 2019	145	238	383	38%
Backlogged permits as of Sept. 30, 2020	163	219	382	43%
Backlogged permits as of Sept. 30, 2021	239	136	375	64%
Backlogged permits as of Sept. 30, 2022	256	115	371	69%
Backlogged permits as of Sept. 30, 2023	289	77	366	79%
<b>Surface water process water general permit certifications</b>				
Backlogged permits as of Sept. 30, 2017	296	1,163	1,459	20%
Backlogged permits as of Sept. 30, 2018	291	1,091	1,382	21%
Backlogged permits as of Sept. 30, 2019	855	654	1,509	57%
Backlogged permits as of Sept. 30, 2020	714	624	1,338	53%
Backlogged permits as of Sept. 30, 2021	496	924	1,420	35%
Backlogged permits as of Sept. 30, 2022	917	445	1,362	67%
Backlogged permits as of Sept. 30, 2023	932	469	1401	66%
<b>Surface water stormwater general permit certifications</b>				
Backlogged permits as of Sept. 30, 2017	4,659	884	5,543	84%
Backlogged permits as of Sept. 30, 2018	5,792	61	5,843	99%
Backlogged permits as of Sept. 30, 2019	1,068	5,206	6,274	17%

Permit Type	No. of backlogged permits	No. of current permits	Total	Percent of backlogged permits
Backlogged permits as of Sept. 30, 2020	1,064	5,425	6,489	16%
Backlogged permits as of Sept. 30, 2021	1,056	6,085	7,141	15%
Backlogged permits as of Sept. 30, 2022	1,049	6,533	7,582	14%
Backlogged permits as of Sept. 30, 2023	1,058	6,659	7,717	14%
<b>Total</b>				
Backlogged permits as of Sept. 30, 2017	5,233	2,371	7,604	69%
Backlogged permits as of Sept. 30, 2018	6,369	1,482	7,851	81%
Backlogged permits as of Sept. 30, 2019	2,176	6,223	8,399	26%
Backlogged permits as of Sept. 30, 2020	2,012	6,429	8,441	24%
Backlogged permits as of Sept. 30, 2021	1,845	7,306	9,151	20%
Backlogged permits as of Sept. 30, 2022	2,273	7,255	9,528	24%
Backlogged permits as of Sept. 30, 2023	2,375	7,325	9,700	24%

**Table C-2 Summary of backlogged permits and certifications by sector**

Permit Type	No. of backlogged permits	No. of current permits	Total	Percent of backlogged permits
<b>Commerce and industry</b>				
Backlogged permits as of Sept. 30, 2017	288	1,594	1,882	15%
Backlogged permits as of Sept. 30, 2018	1,164	763	1,927	60%
Backlogged permits as of Sept. 30, 2019	1,300	681	1,981	66%
Backlogged permits as of Sept. 30, 2020	1,279	664	1,943	66%
Backlogged permits as of Sept. 30, 2021	1,214	633	1,847	66%
Backlogged permits as of Sept. 30, 2022	1,750	59	1,809	97%
Backlogged permits as of Sept. 30, 2023	1,773	22	1,795	99%
<b>Construction</b>				
Backlogged permits as of Sept. 30, 2017	4,572	312	4,884	94%
Backlogged permits as of Sept. 30, 2018	4,832	257	5,089	95%
Backlogged permits as of Sept. 30, 2019	391	5,191	5,582	7%

Permit Type	No. of backlogged permits	No. of current permits	Total	Percent of backlogged permits
Backlogged permits as of Sept. 30, 2020	262	5,490	5,752	5%
Backlogged permits as of Sept. 30, 2021	121	6,353	6,474	2%
Backlogged permits as of Sept. 30, 2022	19	6,872	6,891	0.3%
Backlogged permits as of Sept. 30, 2023	23	7,025	7,048	0.3%
<b>Municipal separate storm sewer system</b>				
Backlogged permits as of Sept. 30, 2017	65	59	124	52%
Backlogged permits as of Sept. 30, 2018	65	60	125	52%
Backlogged permits as of Sept. 30, 2019	65	60	125	52%
Backlogged permits as of Sept. 30, 2020	66	60	126	52%
Backlogged permits as of Sept. 30, 2021	59	64	123	52%
Backlogged permits as of Sept. 30, 2022	66	55	121	55%
Backlogged permits as of Sept. 30, 2023	66	54	120	55%
<b>Pesticides</b>				
Backlogged permits as of Sept. 30, 2017	0	73	73	0%
Backlogged permits as of Sept. 30, 2018	0	75	75	0%
Backlogged permits as of Sept. 30, 2019	0	76	76	0%
Backlogged permits as of Sept. 30, 2020	0	79	79	0%
Backlogged permits as of Sept. 30, 2021	0	78	78	0%
Backlogged permits as of Sept. 30, 2022	0	78	78	0%
Backlogged permits as of Sept. 30, 2023	0	78	78	0%
<b>Public and private utilities</b>				
Backlogged permits as of Sept. 30, 2017	308	333	641	48%
Backlogged permits as of Sept. 30, 2018	310	325	635	49%
Backlogged permits as of Sept. 30, 2019	420	215	635	66%
Backlogged permits as of Sept. 30, 2020	405	233	638	63%
Backlogged permits as of Sept. 30, 2021	451	178	629	72%
Backlogged permits as of Sept. 30, 2022	438	191	629	69%

Permit Type	No. of backlogged permits	No. of current permits	Total	Percent of backlogged permits
Backlogged permits as of Sept. 30, 2023	494	130	624	79%
Total				
Backlogged permits as of Sept. 30, 2017	5,233	2,371	7,604	69%
Backlogged permits as of Sept. 30, 2018	6,369	1,482	7,851	81%
Backlogged permits as of Sept. 30, 2019	2,176	6,223	8,399	26%
Backlogged permits as of Sept. 30, 2020	2,012	6,429	8,441	24%
Backlogged permits as of Sept. 30, 2021	1,845	7,306	9,151	20%
Backlogged permits as of Sept. 30, 2022	2,273	7,255	9,528	24%
Backlogged permits as of Sept. 30, 2023	2,356	7,309	9,665	24%



# Drinking Water Program

Appendix D to the Water Quality Control Division Annual Report



## Section 1 Drinking Water Program overview

The Safe Drinking Water Program works to ensure that Colorado visitors and residents always have clean, safe drinking water. The program aims to prevent waterborne diseases and reduce chronic public health risks. There have been no waterborne disease outbreaks in over 15 years, and a drastic reduction in *E. coli* violations at regulated public drinking water systems. The program adopts and enforces regulations and provides assistance and incentives to further protect the quality of drinking water supplied by public drinking water systems. The sections within the Safe Drinking Water Program help administer two major federal statutes as authorized by Colorado law in the Clean Water Act and the Safe Drinking Water Act. The program also helps administer operator certification requirements adopted by the Water and Wastewater Facility Operator Certification Board.

The following sections comprise the Safe Drinking Water Program and provide related services to external entities:

- Compliance assurance section.
- Engineering section.
- Field services section.
- Community development and partnership section.

**Table D1 Number of full-time equivalents assigned by area of work.**

Area of work	Number of full-time equivalents
Drinking water compliance.	36 (Seven of these staff are working on mobile home park water quality testing and Test & Fix bill implementation activities)
Conducting sanitary survey inspections and other field-related activities.	30
Conducting design reviews and other engineering assistance activities.	27
Conducting financial assistance work.	15.6
Conducting coaching assistance work.	4.7
Completing source water protection and emerging contaminants assistance.	7.2
Completing operator certification work (this includes clean water and drinking water work).	1.5
<b>Total</b>	<b>86</b>

## Section 2 Waterborne disease outbreaks

There have been no waterborne disease outbreaks in Colorado at a regulated public drinking water system since the *Salmonella* outbreak that struck Alamosa, Colorado, in 2008. After the outbreak and an extensive investigation report, which included numerous recommendations to reduce future outbreaks, the division undertook implementing the recommendations. The actions taken included strengthening regulatory requirements around disinfection waivers, disinfectant residual in distribution systems, storage tanks, and cross-connection control rules. However, waterborne disease outbreaks can still occur at public water systems,



especially at systems that the division is not regulating due to lack of awareness, such as the July 2022 E. coli outbreak that occurred at Rainbow Valley Guest Ranch in Teller County, a previously unregulated water system. The division regulates around 2,100 systems, but each year the division identifies more entities that meet the federal regulation of a public water system and thus should be regulated.

**Table D2 Number of systems and population served.**

Population served	Number of systems
25 - 500	1,568
501 - 3,300	332
3,301 - 10,000	89
10,001 - 100,000	78
Greater than 100,000 people	12

## Section 3 New rules and regulations

In 2023, the commission adopted the federal Lead and Copper Rule Revisions (LCRR) after an extensive engagement process primarily with regulated entities. The existing Lead and Copper Rule is the most complex rule, by far in the Colorado Primary Drinking Water Regulations (Regulation 11). The LCRR added a number of requirements that will increase challenges for water systems to comply and for the division regarding oversight. The LCRR emphasizes lead service line identification and replacement requirements, creates a new lead “trigger level” below the current “action level,” and requires lead sampling at schools and child care facilities. The division received positive feedback from the participating parties in the engagement efforts.

Three major federal drinking water rules will be finalized in the next two years. The PFAS rule establishes new Maximum Contaminant Level Goals (MCLGs) and Maximum Contaminant Levels (MCLs) for PFOA or PFOS, which are the most common PFAS compounds detected in Colorado. PFOA and PFOS are considered carcinogens, and so the MCLGs were set at zero, which is common for drinking water contaminants. EPA is required by the Safe Drinking Water Act to set MCLs as close to MCLGs as feasible while considering benefits and costs. The final MCLs for PFOA and PFOS were set at 4.0 parts per trillion (ppt) each based on the reliability of laboratory quantification. EPA also established standards for three more individual PFAS compounds and PFAS mixtures. In Colorado, we tend not to find these compounds at levels exceeding the MCLs unless the MCLs for PFOA or PFAS are exceeded. EPA established a compliance deadline of April 2029 for public drinking water systems to meet the new MCLs. The division commenced engagement work to adopt this rule into Regulation 11 in summer 2024 and must complete that process with a rulemaking by April 2026.

EPA finalized its draft revisions to the Consumer Confidence Report (CCR) Rule in May 2024. The division is adopting this rule at the same time as the PFAS rule. The revised CCR is intended to increase the accuracy and readability of CCRs, provide more information about lead, require systems serving more than 10,000 people to provide CCRs twice per year, allow for electronic CCR delivery, and place a heavy emphasis on translating CCRs into alternate languages.

EPA is expected to finalize its Lead and Copper Rule Improvements (LCRI) in October 2024. The LCRI is expected to contain several initiatives that EPA believes will improve upon the LCRR including full Lead Service Line Removal (LSLR) within ten years and lowering the lead action level from 15 parts per billion (ppb) to 10 ppb.

## Section 4 List of contaminants considered for MCLs:

In accordance with C.R.S. 25-1.5-(202)(3)(a), the division reviewed the drinking water priority list of contaminants for which a minimum general sanitary standard may be appropriate. The division determined that the list established in 2019 is sufficient at this time. Even though the federal PFAS rule is now final and includes these compounds, the division believes that the list should remain in place until the commission adopts the new PFAS rule into Regulation 11.

The list is as follows:

- PFOA: Chemical Abstract Service Number (CAS No.) 334-67-1
- PFOS: CAS No. 1763-23-1
- PFHxS: CAS No. 355-46-4
- PFNA: CAS No. 375-95-1

## Section 5 Grants and loans

The division connects communities to grants and loans to help them repair or improve their drinking water and wastewater infrastructure. We supported approximately 186 projects this year that have or will receive funding assistance. For all projects, we ensure compliance with federal requirements such as environmental reviews by coordinating with communities, local agencies, project consultants, and internal partners.

Much of the funding the division provides comes from allocated Bipartisan Infrastructure Law (BIL) funding through the federal Drinking Water and Water Pollution Control Revolving Fund. The EPA requires the State Revolving Fund (SRF) program to provide a state match portion of the funds allocated in order to secure the funding. Typically, the Colorado Water Resources and Power Development Authority (CWRPDA), the financial agency of the SRF program, has covered the state match requirements. But, based on the large amount of additional funds allocated by the BIL and to ensure all BIL funding could be received, the state of Colorado provided the state match for BIL funds.

**Table D3 Type of funding, number of recipients, total population served, total money expended.**

Funding	Number of recipients	Total population served	Total expended
Drinking Water Revolving Fund*	21	56,408	\$74,435,803
Water Quality Improvement Fund	4	(all recipients provided statewide stormwater management trainings)	\$297,999
Small Community Grants	4	1,188	\$6,728,589
Water Pollution Control Revolving Fund**	16	154,148	\$32,779,058

\*Of the \$74.4M, the division issued \$53,178,946 in BIL funds to four recipients serving 25,455 people through the Drinking Water Revolving Fund.

\*\* Of the \$32.7M, the division issued \$11,760,356 in BIL funds to six recipients serving 135,876 people through the Water Pollution Control Revolving Fund.

## SB20-218 PFAS Grant Program

The PFAS Grant Program supported by Senate Bill 20-218 funding has been actively implemented since July 2020. The PFAS grant program efforts consist of the PFAS takeback program, PFAS sampling program, PFAS emergency assistance program, and the PFAS infrastructure program. In total, the division has distributed over \$9.5 million SB20-218 funding to PFAS-related projects during the program implementation from 2020 until the present. The recent SB20-218 grant application in April 2024 resulted in over \$6 million in funding requests from interested PFAS-impacted stakeholders. The applications reflected a wide range of PFAS-related sampling projects, pilot testing/treatment studies, infrastructure projects, and some research-related projects. The program anticipates being able to fund the majority of the projects submitted. Additionally, the [program's website](#) is an excellent summary of all the current extensive PFAS work in Colorado.

### PFAS takeback program

The PFAS takeback program has been implemented since July 2020 with over 50 fire departments or districts that have participated in the program and another 30 currently in the participation process. The division developed the program to coordinate the safe storage of firefighting foam containing PFAS until national guidance on safe disposal could be issued. The division provided grant funding to assist fire departments or districts in purchasing PFAS-free foam alternatives and safe storage. The program's efforts resulted in removing over 16,000 gallons of foam containing PFAS from service. The division plans to safely collect and dispose of the foam containing PFAS after receiving national disposal guidance. Recently, the division expanded the PFAS takeback program to include commercial service airports. The program expects to take, at minimum, an additional 20,000 gallons of foam containing PFAS out of service by supporting airports with this program.

### PFAS sampling program

The statewide sampling efforts have distributed approximately \$1.3 million dollars directly to grant recipients. In addition, the division supported a contract for additional statewide PFAS sampling with a contractor (HDR Engineering) for approximately \$2.0 million. The combination of these two assessment programs has facilitated the sampling of over 600 public water systems and 80 private wells since 2020. This testing has allowed the division to assess, inform, and reduce exposure for the public in its continued commitment to protecting public health and the environment.

### PFAS infrastructure program

As of April 2024, the division has distributed \$1.5 million in SB20-218 funding directly to support projects focused on PFAS impacts to drinking water in public drinking water systems. The division has been very proactive in sampling, assessing, mapping, and coordinating with national PFAS regulatory efforts and associated stakeholders.

### PFAS emergency assistance program

The division has allocated \$3.5 million to assist communities with emergency drinking water treatment operational changes until permanent treatment systems can be installed.

**Table D4 PFAS Grant Program expenditures by program area by fiscal year.**

Grant Program areas	2022 grant funds	2023 grant funds
Contractor sample support funding	\$1,408,000	\$509,945
Sampling awards	\$909,137	\$265,891
Infrastructure awards	\$659,947	\$846,527

Grant Program areas	2022 grant funds	2023 grant funds
Emergency assistance awards	\$2,925,431	\$612,700
PFAS Takeback Program payments	\$341,250	\$97,600
Total	\$4,282,005	\$2,332,663

## Section 6 Training and assistance

The 1996 Safe Drinking Water Act (Act) amendments added Drinking Water State Revolving Fund grant requirements. The amended act required each state to create a capacity development program to assist public water systems in developing technical, managerial, and financial capabilities to strengthen their ability to supply safe drinking water to the public. The division fully implements a capacity development program and strategy aligned with the requirements of the Act.

The strategy and work plans focus on three key areas: new public water systems, existing public water systems, and program administration. For new drinking water systems, the program focuses on a review of the technical, managerial, and financial capacity of the proposed system to ensure the system created will consistently provide safe drinking water. For new and existing systems, the program has delivered a wide variety of training and assistance efforts directed toward helping systems achieve technical, managerial, and financial success. These efforts have helped drinking water systems comply with their regulatory obligations and become more capable of providing safe drinking water to consumers.

As of 2024, there are 5,658 certified water operators in Colorado. The division hosts training events for these operators and provides direct assistance as shown in the tables below.

**Table D5 Number of group training events by year.**

Year	Group training events
2017	46
2018	51
2019	77
2020	45
2021	31
2022	28
2023	53

**Table D6 Number of one-on-one assistance events by year.**

Year	One-on-one events
2017	163

Year	One-on-one events
2018	115
2019	72
2020	75
2021	79
2022	71
2023	104

**Table D7 Percent of drinking water systems who received assistance that showed improvement after one-on-one assistance events.**

Year	Percent that showed improvement
2017	77%
2018	84%
2019	76%
2020	77%
2021	80%
2022	80%
2023	82%

**Table D8 Percent of operators that acknowledge the “culture of health” by year.**

Year	Percent of baseline (the baseline number of operators was set in 2020 and is 4,369)
2020	10%
2021	27%
2022	41%
2023	65%

Table D9 Total number of operators trained in waterborne disease outbreaks and public notice by year.

Year	First-time trained operators (this is cumulative since 2020)
2020	1,369
2021	2,821
2022	4,419
2023	6,004

## Section 7 Compliance and enforcement

The Drinking Water Compliance Assurance Section (section) works to ensure Coloradans have access to clean drinking water and that water systems meet the federal and state drinking water standards. This includes researching potential violations and issuing formal enforcement actions (e.g., violation letters or formal enforcement orders). The section also provides technical assistance and training to water system owners, drinking water operators, and certified laboratories. The section routinely responds to customer complaints and other requests (e.g., EPA, media, and/or legislative). The section currently regulates 2,100 drinking water systems across the state and routinely processes over two million drinking water data points every year.

### Accomplishments

#### Transparency

The section continues to maintain its [Drinking Water Consumer Information and Data](#) website that provides easy-to-access information for water systems, operators, and consumers. This promotes transparency with regulated systems, concerned consumers, EPA, legislators, and/or the media. On average, the website receives 120 “hits” per day.

#### Compliance and enforcement oversight

The section has a robust compliance and enforcement oversight program. In 2023:

- 91% of community water systems (i.e., towns, cities, mobile home parks, or homeowner associations) met all of the safety and health-based requirements (i.e., maximum contaminant levels and health-based treatment technique requirements).
- The section referred three operator misconduct complaints to the Operator Certification Board. The division holds operators accountable for operating their system correctly and will only refer the misconduct if actions are egregious or after the division gave multiple warnings to the operator to correct their actions.
- The section issued 5,752 drinking water violations to hold drinking water systems accountable for meeting federal and state drinking water requirements. The division takes additional actions if systems do not meet the requirements outlined in the violations. In 2023, the division issued 30 drinking water enforcement orders.
- The section had 116 open enforcement orders and was actively involved in two litigation cases.



### Lead in drinking water

- In 2023, the section was only one of four states to adopt the Lead and Copper Rule Revisions. The section conducted over 20 meetings with regulated entities and the public to collect feedback to inform the updated state regulation.
- The section continues to oversee Denver Water's lead variance - an EPA approved approach that Denver Water is implementing to remove lead service lines in their system. To date, this effort has been extremely successful and Denver Water has removed almost 24,000 lead service lines.
- The section developed targeted outreach, guidance and reporting forms for the new EPA-mandated lead service line inventory requirement. The section, with extensive stakeholder input, also published the [Initial Service Line Inventory Development policy](#). This policy identifies how water systems should conduct their lead service line inventories. EPA and other states have spoken highly about the policy.
- To date, the section has received and reviewed approximately 150 lead service line inventory submittals.

### Improved reporting deadlines

The section fully implemented an effort to enforce the drinking water regulatory reporting deadlines. This effort informs water systems ahead of the compliance date if they are missing any necessary monitoring and reporting information. This allows the section to then issue violations in a timely manner. Water systems and laboratories have gained better knowledge of their own reporting requirements and the quality of the data being reported has improved.

### Customer, media, and legislative inquiries

As part of its customer service activities, the section responds to questions from the general public, media, and general assembly on a regular basis. The section responded to 94 customer, media, or legislative inquiries in 2023. This includes contacting the water system, researching the inquiry, and providing a detailed and thorough response.

### Providing compliance assistance tools for water systems and operators

The section maintains tools to better track and assist water systems in navigating requirements and maintaining compliance. For example, the section maintains and updates monitoring schedules every week, emails sampling reminders every month to public water systems, has numerous tools for operators to search their data, such as the [Safe Water Information Tool Finder](#) (SWIFT), and maintains a drinking water portal for systems to easily upload their data. The section continues to work with other program teams to provide assistance to water systems such as teams that provide training to operators or issue grants and loans. The section also works with external agencies, such as the Rural Water Water and the Rural Community Association Corporation, the United States Department of Agriculture, and the Department of Local Affairs, for technical and funding assistance.

### Primacy Oversight

The section is meeting all of its primacy requirements. This includes uploading the drinking water compliance data every quarter to EPA, routinely meeting with EPA regarding their National Compliance Initiative effort, having no significant findings in the section's annual enforcement audit, and meeting the section's Performance Partnership Agreement with EPA.

## Section 8 Sanitary surveys

The division conducts sanitary surveys every three years for community water systems and every five years for non-community water systems. These in-person compliance inspections cover eight major elements required by EPA ranging from water sources, treatment and distribution to operator certification and system management.

## Accomplishments

In 2023, the division:

- Completed 491 sanitary surveys and identified significant deficiencies or violations in 71.6% of surveys.
- Inspected 86% of community surface water systems within the required frequency (every three years). This means that Colorado met the frequency requirements set forth in our primacy agreement with EPA.
- Issued 99% of sanitary survey letters within 30 days of the sanitary survey. The 30-day period is part of our primacy agreement with the EPA and is included in the Colorado Primary Drinking Water Regulations.

In examining sanitary survey metrics, there are 17 significant deficiencies that water systems have not resolved from sanitary surveys that were completed three or more years ago. In 2017, this number was 208. Overall, seven percent of community drinking water systems have unresolved significant deficiencies. Many of these unresolved significant deficiencies exist at systems that are under enforcement and do not have the finances to address necessary capital expenditures.

The division sends out customer satisfaction surveys after each sanitary survey and in 2023, customers indicated a 96% satisfaction rating. Some comments include:

- *“Both inspectors were of the highest caliber. Their input was appreciated.”*
- *“First inspection for “me” and made me feel valued and gave me great pointers and direction. Great experience!!”*
- *“Great Experience - Very helpful - She made it a comfortable environment in a stressful time.”*

## Section 9 Engineering

The Safe Drinking Water program is involved in all drinking water infrastructure projects in Colorado. These projects, which average about \$230 million per year in capital cost, must be reviewed and approved by program engineers to ensure that the project will protect water quality. The engineering section within the Safe Drinking Water Program supports all aspects of the program and reviews the design, construction, and operation of public water systems to ensure public health is protected. The section strives to effectively and efficiently help public water systems in their implementation of regulatory requirements with predictability, thoughtfulness, and clarity, while modifying for site specifics when possible. Section activities include:

- Reviewing designs for drinking water treatment and storage.
- Design and site location reviews for wastewater collection and treatment infrastructure projects.
- Determining eligibility for state revolving loan fund projects.
- Providing technical assistance to water and wastewater treatment systems and for enforcement-related action.
- Responding to water treatment or distribution system failures and water quality/safety complaints/inquiries.
- Evaluating disinfection treatment for public drinking water systems to ensure appropriate pathogen removal.

## Accomplishments

The section has historically operated with a backlog of infrastructure design reviews ranging from three to eight months due to inadequate staffing. This backlog is problematic because an engineering plan review of a public water system is to verify the proposed system meets minimum engineering standards, associated state and federal requirements, and will be able to operate within required drinking water quality regulations. In addition,

having a backlog slows needed infrastructure projects for public health and environmental protection. Without additional resources, the engineering section will continue carrying a backlog of work or limit its services in existing or these new endeavors.

**Table D10 Drinking water design review data by year.**

	2019	2020	2021	2022	2023
Number of drinking water design reviews completed.	214	312	240	258	279
Percent design reviews completed in 45 days or less.	26%	35%	35%	43%	31%
Percent of completed design reviews that required modification before approval.	32%	21%	35%	28%	31%

## Section 10 Mobile Home Park Program

The Mobile Home Park Water Quality Act (HB23-1257), signed on June 5, 2023, creates a drinking water quality testing program for mobile home parks. The Act requires interviews with park residents, drinking water testing, test result notification, and remediation when a water quality issue is identified, plus a long-term Action Plan. The Action Plan identifies solutions and funding to address and improve water quality at parks based on engagement efforts and test results. Engagement efforts include community member outreach, interviews, and collaboration with park owners, the Department of Local Affairs, local health agencies, utilities, and others. It also establishes a grant program to help remediate issues identified at mobile home parks, but the general assembly has not appropriated funding to the grant program so far. Drinking water testing is required at all 750 mobile home parks in Colorado over four years beginning no later than July 1, 2024. Twenty-five percent of parks will be tested each year from July to June to complete all testing in June 2028.

### Accomplishments

As of the end of fiscal year 2023-2024, the program has hired drinking water and environmental justice staff, retained a contractor to conduct the testing, developed a general testing approach, modified an existing database to store the test results and required activities, worked with the department's environmental justice group on developing consumer FAQs, and routinely met with the Department of Local Affairs (DOLA) Mobile Home Park Act team. The program also developed the prioritized sampling approach which saved an estimated \$500,000 in contractor costs.

### Future work

To better manage the larger sampling effort planned for July, the contractor is sampling ten mobile home parks over the next couple of months. Since the Mobile Home Water Quality Act is not implemented via a detailed regulatory framework, the program is working closely with the Attorney General's office regarding various implementation aspects including when remediation will be required, how orders will be issued to park owners, and how "welfare" risks will be assessed. The program still needs to undertake additional planning efforts to determine its implementation approach and how external input will be considered in developing a required action plan.

## Section 11 Test & Fix Water for Kids

The program implements HB22-1358, Testing of Drinking Water In Schools, Child Care Centers, and Family Child Care Homes Act, published in C.R.S §§ 25-8-901 to 25-8-905. The act mandates that all licensed child care facilities and public schools serving fifth grade and lower test all drinking water locations for lead by May 31, 2023. Division staff created the [Test & Fix Water for Kids](#) program to administer the funds and implement the act. The program has focused on several major areas since it began in August 2022.

The following is an overview of notable achievements in each area.

### Outreach and education

The program created a brand and a website to encompass all the testing program steps and house all forms, guidance, and frequently asked questions. The program also completed extensive communication with child care facilities and schools and created branded materials such as fact sheets, emails, postcards, webinars, videos, and guidance documents.

### Technical assistance

The program has a dedicated technical service contractor who provides one-on-one technical assistance to each child care, family child care home, and school district or charter school.

### Testing

The program seamlessly integrates with the state laboratory to provide all participants free testing kits and sample analysis.

### Remediation

The program creates individual remediation plans for each facility where remediation is needed and assists in the steps needed to implement fixes.

### Reimbursement

The program applied for and received a waiver from the direct spending cap, allowing payments to all qualified recipients with no purchase orders required. This has increased efficiency in processing reimbursements.

### Data management

The program has integrated child care and school information, sample locations, and lead results data into a single functional database. Results are posted to a searchable results table on the website immediately upon receipt from the state lab.

### Accomplishments

As of September 15, 2023, the program enrolled 4,500 out of 6,000 potentially eligible licensed child care providers, public elementary schools, and public elementary charter/facility schools. These 4,500 licensed entities represent 2,900 facility locations across the state, with multiple licenses occupying the same facility in some instances. The state laboratory tested 53,000 water samples at drinking water fixtures for lead. Ninety-three percent of the fixtures tested below the five parts per billion action level established by HB22-1358. As a result, only 7% (3,700 out of 50,000 fixtures) tested above the five parts per billion action level, requiring follow-up sampling and remediation. Many of the fixtures that tested above the action level were classroom sinks that students do not drink from or water fountains that have been turned off for drinking since the start of the COVID-19 pandemic and are still not available for drinking. In all cases, steps were taken immediately to ensure that water is not being consumed from locations with high lead levels. As of September

15, 2023, 100 of the 900 total facilities required to take action have completed remediation. Corrective actions with various facilities are ongoing.

- 96% of public elementary schools are compliant with sampling requirements.
- 77% of licensed child care programs are compliant with sampling requirements.
- 29% of family child care homes are compliant with sampling requirements, and 16% of family child care homes are compliant by opting out of sampling.

Overall, the tested locations across the state represent a population of almost 600,000 children who are being protected from lead exposure in drinking water due to this program. More information about the program can be found in the annual report posted on the [Test & Fix website](#).

## Drinking Water conclusion

While the Safe Drinking Water Program strives to ensure tap water safety at regulated public drinking water systems, there are numerous challenges faced in that endeavor. The biggest public health threat comes from drinking water systems that meet the regulatory thresholds of either having 15 taps or serving 25 people for 60 or more days per year, but that the division does not know about. We referred to these as unregistered water systems. These can occur because the system is unaware of the regulatory requirements or seeking to avoid them, and the division does not have resources to be routinely surveying the state for the existence of these systems. We do provide information and training to local public health agencies so that they can refer systems to us when they become aware of them. When we do become aware of unregistered water systems, they are often far off track from having the infrastructure and operating model with a certified operator doing water testing needed to ensure provision of safe drinking water. These systems often require extensive assistance efforts and enforcement actions to gain compliance. The disease outbreak described above was just one example of the threat that these systems can pose. These systems are also responsible for most of the E. coli violations in the state.

The division also faces resource challenges in addressing a number of other situations that can impact drinking water quality. The division periodically discovers that a certified operator is not adhering to the requirements of Regulation 100 and is not properly performing the needed duties to ensure safe drinking water. The effort associated with developing a disciplinary action case, investigating the case and then moving a case forward to the Water and Wastewater Operator Certification Board is extensive. So the division often has a backlog of referrals that need to happen, and it can take a long time to fully process a case from referral to disciplinary action.

The division also experiences resource constraints involving the current large number of water systems (116) under formal enforcement, a resource-intensive process. Unfortunately, 22 of these systems are far off track in complying with their enforcement orders and two are in litigation, with more expected this year. This situation exacerbates the resource challenge and puts public health at risk. Additionally, significantly more resources will be needed to implement the new federal rules mentioned above. New rules tend to trigger the need for more enforcement during their initial years after the compliance date.