

Consumer Confidence Report Rule

Select Content, Tools, and Resources to Stay in Compliance

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September 23, 2015



About the Consumer Confidence Report Rule

CCR Rule requires all community water systems to prepare and distribute an annual water quality report containing information about:

- Source of water
- Detected contaminants
- Compliance

System-consumer connection



Federal Regulations: 40 CFR Part 141, Subpart O
[40 CFR 141.151 – 141.155]



Content Requirements for Report

| Item | Content Requirement |
|------|---|
| 1 | Water System Information |
| 2 | Source(s) of Water |
| 3 | Definitions |
| 4 | Detected Contaminant Table |
| 5 | Information on <i>Cryptosporidium</i> , Radon, and Other Contaminants |
| 6 | Compliance Status with NPDWR |
| 7 | Variances and/or Exemptions |
| 8 | Required Additional Information |

Common Problem Areas:

Content

- Item 1: Water system information
- Item 2: Source(s) water
- Item 4: Detected contaminants table
- Item 6: Compliance status
- Item 8: Required additional information

Report Delivery and Certification

Rule Deadlines



Report Content: Water System Information

- Name and telephone number of a contact person
- Information on public participation opportunities
- Information for non-English speaking populations, if appropriate
 - Rule of Thumb: If you serve >5-10% non-English speaking people, include additional language(s) or access to information for translation.

Don't forget to put your water system name and PWS ID no. (WY56xxxxx) on your report!

Report Content: Source(s) of Water

- Type of water
- Commonly-used name(s)
- General location of water source(s)
- Source water assessment information, if available:
 - Notice of availability of completed assessment
 - Information on how customers can obtain it
 - A brief summary of the system's susceptibility to potential sources of contamination





Report Content: Detected Contaminants Table

- **Essential part of the CCR!**
- Main table presents level of each detected contaminant
 - Detected contaminant is any regulated or unregulated contaminant detected at or above its method detection limit (or reportable limit)
 - Regulated = contaminants subject to an MCL, MRDL, AL, or TT
 - Unregulated = contaminants for which monitoring is required under 40 CFR 141.40 (Unregulated Contaminant Monitoring Regulation)
- Report any additional monitoring data (i.e. contaminants that are not detected or voluntary monitoring data) in another section of the CCR



What Data Do I Report?

- Contains data from monitoring completed during the previous calendar year
- For contaminants monitored less than annually, report the most recent results up to 5 years prior to the year the CCR covers
 - Include a brief statement explaining that the data presented is from the most recent monitoring done in compliance with the regulations

The EPA allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or our system is not considered vulnerable to this type of contamination. Some of our data, though representative, are more than one year old.



How Do I Report the Data?

- Present drinking water standards as numbers greater than or equal to 1.0 in order to enhance consumer understanding of their drinking water quality
- Report water sample results relative to standards = “CCR Units”

Types of Reporting Units:

| | |
|-------------------------------------|-----------------------------|
| milligrams per liter (mg/L) = | parts per million (ppm) |
| micrograms per liter (μ g/L) = | parts per billion (ppb) |
| nanograms per liter (ng/L) = | parts per trillion (ppt) |
| picograms per liter (pg/L) = | parts per quadrillion (ppq) |



What are the Steps for Converting Results to Units Required by the Rule?

- Step 1: Review Lab result and determine if standard (MCL, AL) is greater than or equal to 1.0
- Step 2: Convert standard to CCR units by multiplying by a conversion factor
- Step 3: Convert sample result to CCR units by multiplying by the same conversion factor





Example: Converting Lead Results to CCR Units

Step 1:

- Action Level Pb = 0.015 mg/L (ppm) → not > or = 1.0

Step 2:

- AL * Conversion Factor = AL in CCR Units
- 0.015 ppm * 1000 = 15 ppb Pb

Step 3:

- 90th Percentile Result * Conversion Factor = 90th %
Result in CCR Units
- 0.0007 ppm * 1000 = 0.7 ppb Pb



Where Can I Find More Information About CCR Units?

- Appendix A to Subpart O of the regulation (40 CFR 141)
- EPA Fact Sheet: “Converting Laboratory Units into Consumer Confidence Report Units” (EPA 816-F-15-001, July 2015)

| Contaminant | MCL | To Convert, Multiply BY | MCL in CCR Units | MCLG in CCR Units | Major Sources | Health Effects |
|----------------|-----------|-------------------------|------------------|-------------------|----------------|-----------------|
| Arsenic (ppb) | 0.010 ppm | 1,000 | 10 ppb | 0 ppb | Erosion of ... | Some people ... |
| Fluoride (ppm) | 4 ppm | - | 4 ppm | 4 ppm | Erosion of ... | Some people ... |

- Both are located on EPA’s Website at <http://water.epa.gov/lawsregs/rulesregs/sdwa/ccr/>



How Can I Streamline the Development of my CCR?

CCR iWriter

- Provides regulation-compliant CCR (+)
- Must manually enter contaminant detection data (-)

CCR Generator Tool

- Provides detection data for regulated contaminants and list of violations (+)
- *Cannot* serve as a substitute for your CCR (-)

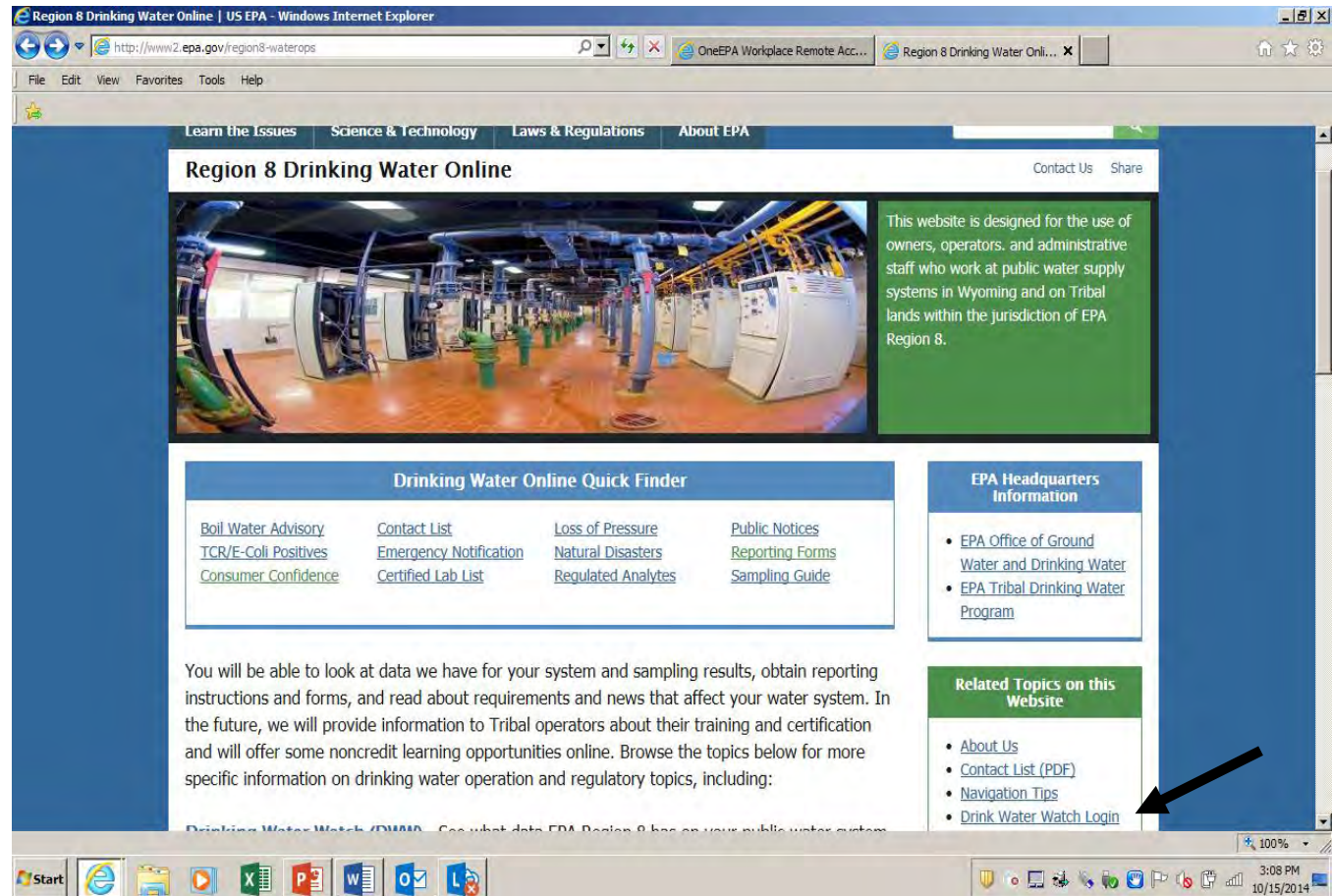


CCR Generator Tool

Step 1, go to: www2.epa.gov/region8-waterops

CCR Generator Tool

Location:
Region 8
Drinking
Water Online
and Drinking
Water Watch





CCR Generator Tool

Step 2: Region 8 Public Drinking Water Watch

https://sdwisr8.epa.gov/Region8DWWPUB/

File Edit View Favorites Tools Help

Drinking Water Branch

Drinking Water Watch

Region 8 Public DWW

-- Make A Selection --
Wyoming
Region 8 Tribes

Submit

Drinking Water Online Home

EPA Home | Privacy and Security Notice | Contact Us

Start

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CCR Generator Tool

Step 3: Click on “Review Consumer Confidence Data”

Drinking Water Branch - Windows Internet Explorer

https://sdwis8.epa.gov/Region8DWWPUB/index.jsp

File Edit View Favorites Tools Help

SDWIS Version 3.01

[Drinking Water Online Home](#)

[County Map](#)

[Glossary](#)

Drinking Water Branch

Drinking Water Watch

Public Water Supply Systems Search Parameters

Water System No.

Water System Name

Principal County Served

Water System Type

Primary Source Water Type

Sample Search Parameters

Sample Class

Sample Collection Date Range
(The Sample Search always produces results for the last 2 years, unless you provide a specific date range.)

10/15/2012 To 10/15/2014

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100%

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CCR Generator Tool

Step 4: CWS, year, report format; click “Generate Report”

CCR Report - Windows Internet Explorer

https://sdwtr8.epa.gov/Region8DWWPUB/JSP/SearchDispatch?number=&name=

File Edit View Favorites Tools Help

Drinking Water Branch

Review Consumer Confidence Data

Enter or Select Water System Or

Select CCR Year

Select Report Format

[Generate Report](#)

The report you are about to generate is designed to present the data you will need to assist with creating a regulation-compliant Consumer Confidence Report (CCR). It does not, in and of itself, satisfy the complete requirements of the Consumer Confidence Rule. You may wish to use EPA's CCR iWriter tool to produce a regulation-compliant Consumer Confidence Report. <http://www.ccriwriter.com>

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

Return Links

[Water System Search](#)

[County Map](#)

Glossary

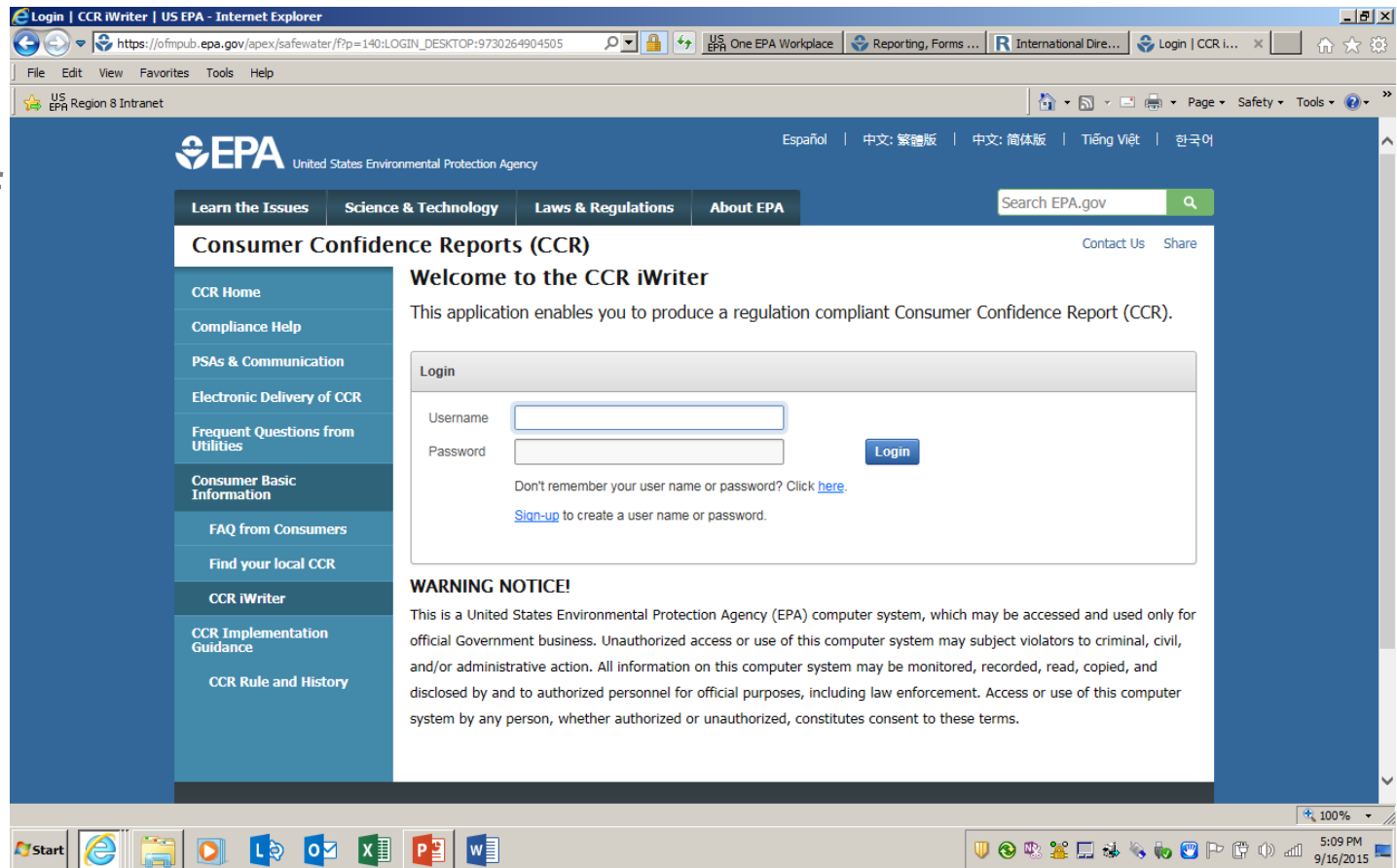
Start | Internet Explorer | File Explorer | Media Center | Excel | PowerPoint | Word | Outlook | Lync

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CCR iWriter

- EPA moved location of tool
- Data from registered users transferred to new data system



Go to www.ccriwriter.com



CCR iWriter

Type system name and PWS ID No. in “Report Title” box

CCR iWriter - Internet Explorer

https://ofmnpub.epa.gov/apex/safewater/f?p=140:2:9730264904505::NO:::

US EPA One EPA Wo... Reporting, F... R Internationa... CCR iWriter CCR iWriter

File Edit View Favorites Tools Help

US EPA Region 8 Intranet

EPA CCR iWriter Logout

Consumer Confidence Reports My Account Help Contact Us

Current Report: Town of Many Return to Existing Reports

CCR iWriter Report

1. System Information

(*) indicates a required field.

* Report Title: Town of Many WY5600000

* Water System Name:

* Contact Name:

Address:

City:

State:

Zip Code:

* Phone:

Fax:

* Email:

CCR report URL:

Water System Homepage URL:

System Type and Size

Check each type that contributes water to the distribution system.

☐ Ground Water

☐ Ground Water Under Direct Influence of Surface Water

☐ Surface Water

☐ Another Water System

How many people does the system serve?

☐ Less than 10,000

☐ 10,000 - 99,999

☐ 100,000 or more

< Back Next >

100%

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Report Content: Compliance Status

- Violations
 - Include a clear indication of the violation in the detected contaminants table
 - Near the table explain (a) the violation, (b) the length of the violation, (c) potential health effects, and (d) action(s) taken to correct the problem
- Significant Deficiencies (SD)
 - Include in CCR if ground water system receives a notice from EPA, and,
 - If the SD is not corrected by December 31st of year covered by CCR state (a) nature of SD, (b) date identified, and (c) information about the EPA-approved plan for correction (schedule, interim measures and any completed, progress to date)

Report Content: Required Additional Information

- Every CCR must include an informational statement about lead in drinking water and its effects on children

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Your water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using the water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.



Report Delivery

- Delivery Requirements
 - Mail, or otherwise directly deliver (e.g., hand deliver or electronic delivery), one CCR to each customer by **July 1st** every year
 - In addition, make a “good faith” effort to reach non-bill paying consumers
 - Make the CCR available upon request
- Mailing Waiver for Small Systems



Report Delivery

- Waiver of direct mailing requirement for small WY systems signed into law by Wyoming's Governor in 1999

Serve <10,000 persons

1. Provide direct notice (paper, email) that CCR will be printed in a local newspaper or made available on an internet website, and
2. Publish CCR in local newspaper or on internet website, and
3. Make paper copies of the report available upon request.

Serve = or < 500 persons

1. Provide direct notice (paper, email) that report is available, and
2. Make paper copies of the report available upon request, or on an internet website.

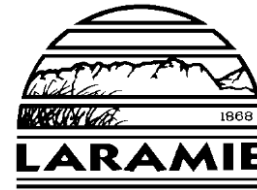


Example of Direct Notice – Postcard

Your Annual Drinking Water Quality Report

Now Available Online

Each year the City of Laramie provides its customers with an Annual Drinking Water Quality Report to let them know how our drinking water quality compares against established federal and state drinking water standards. We encourage you to review this report as it provides details about the source and quality of the drinking water delivered to this community in 2014. In an effort to be more environmentally and fiscally responsible, we are no longer printing these reports, but have made them available on the Internet. Visit us online to view your water quality report at <http://www.cityoflaramie.org/DocumentCenter/View/7735> If you desire to have a paper copy, you can print one directly from our website. You can also receive a printed version by contacting The City of Laramie Utility Division at 307-721-5280.





Certification

- Must certify to EPA that the report has been distributed to customers, and that the information is correct and consistent with the compliance monitoring data previously submitted to EPA
- Download current forms (annually) from Region 8 website: <http://www2.epa.gov/region8-waterops/reporting-forms-and-instructions-reporting-forms>
- **DO NOT USE OLDER VERSIONS OF THE CERTIFICATION FORMS, OR THE CERTIFICATION FORM FROM THE CCRIWRITER!**





Rule Deadlines

- Mail or directly deliver one copy of CCR to customers and EPA Region 8 by **July 1st**
- Mail certification of compliance to EPA Region 8 by **October 1st**
- Wholesalers (selling water systems) must deliver data to consecutive systems (purchasing systems) by **April 1st**



Contact Information and Additional Resources

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*Preparing Your Drinking Water Consumer Confidence
Report For Water Suppliers (EPA 816-R-09-011, April 2010)*

“Best Practices Factsheet: Consumer Confidence Report”
(EPA 816-F-15-002, July 2015)

<http://water.epa.gov/lawsregs/rulesregs/sdwa/ccr/compliancehelp.cfm>