

Consumer Confidence Report Rule

Select Content, Tools, and Resources to Stay in Compliance



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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(s) of water
- Detected contaminants
- Compliance
- Communication between waters systems and their consumers
- Stage to showcase your hard work
- 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/Water Quality Table
5	Information on <i>Cryptosporidium</i> , Radon, and Other Contaminants
6	Required Health Effects Language
7	Violations / Variances and/or Exemptions
8	Required Additional Information 3



Common Problem Areas:

- -Content
- Item 1: Water system information
- Item 2: Source(s) of water
- Item 4: Detected contaminants table
- Item 6: Compliance status
- Item 8: Required additional information
- -Report Delivery and Certification
- -Rule Deadlines

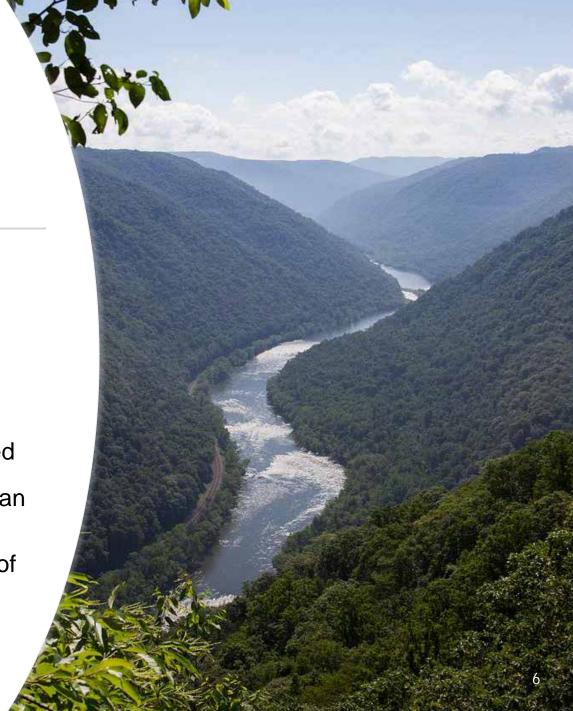


Report Content: Water System Information

- 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 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

nanograms per liter (ng/L) =

picograms per liter (pg/L) =

billion (ppb)

parts per trillion (ppt)

parts per

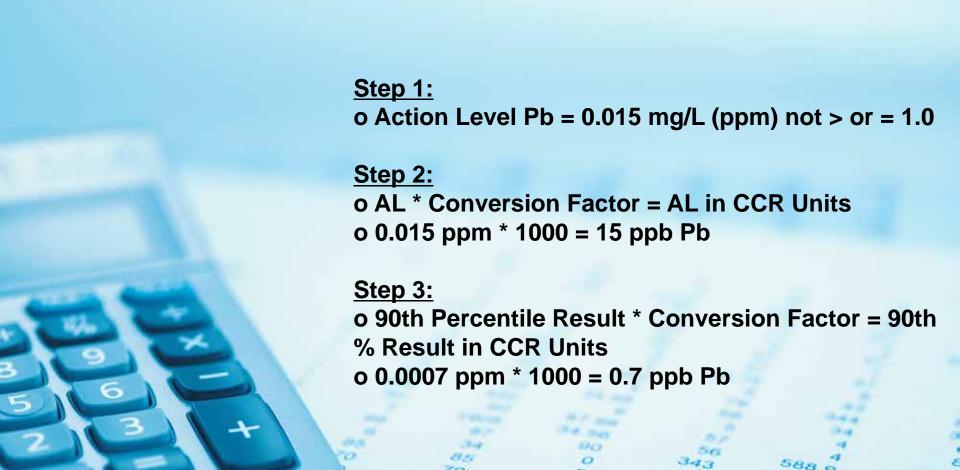
quadrillion

(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



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



How Can I Streamline the Development of my CCR?

CCR iWriter

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

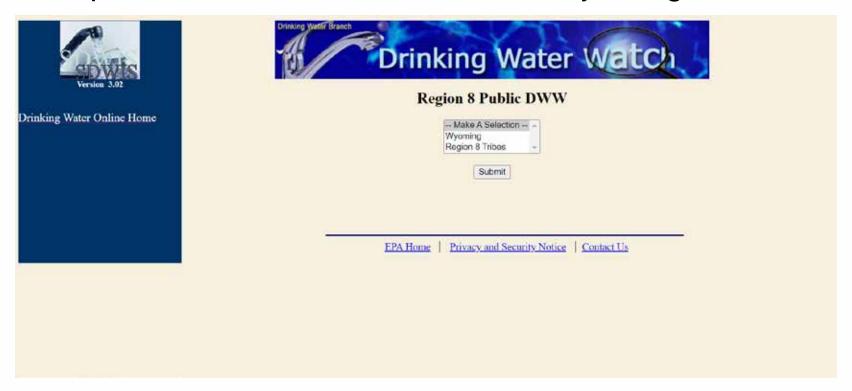
Water Quality Data Table through Drinking Water Watch

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



Drinking Water Watch Water Quality Data Table

Step 1: Go to DWW website, select Wyoming or Tribal





Drinking Water Watch Water Quality Data Table

Step 2: Click "Review Consumer Confidence Data"





Drinking Water Watch Water Quality Data Table

Step 3: CWS, year, report format; click "Generate Report"





Contaminants	MCLG or MRDLG	MCL, TT, or MRDL	Detect In Your Water		nge High	Sample Date	Violation	Typical Source	
Disinfectants & Disinfection By-Products									
(There is convincing evid	ence that a	ddition of	f a disinfo	ectant	is nece	essary for	control of	microbial contaminants)	
Chlorine (as Cl2) (ppm)	4	4	.39	.2	.39	2020	No	Water additive used to control microbes	
Haloacetic Acids (HAA5) (ppb)	NA	60	7	2	7	2020	No	By-product of drinking water chlorination	
TTHMs [Total Trihalomethanes] (ppb)	NA	80	8	6	8	2020	No	By-product of drinking water disinfection	
Inorganic Contaminants	3		·						
Nitrate [measured as Nitrogen] (ppm)	10	10	.3	NA	NA	2020	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits	
Nitrite [measured as Nitrogen] (ppm)	1	1	.3	NA	NA	2020	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits	
Sodium (optional) (ppm)	NA		1	NA	NA	2020	No	Erosion of natural deposits; Leaching	
Microbiological Contam	inants								
Total Coliform (RTCR)	NA	TT	NA	NA	NA	2020	No	Naturally present in the environment	
Turbidity (NTU)	NA	0.3	.11	NA	NA	2020	No	Soil runoff	
100% of the samples were single measurement was .								a TT violation. The highest se approved by the state.	
Synthetic organic contaminants including pesticides and herbicides									
Heptachlor epoxide (ppt)	0	200	0	NA	NA	2020	No	Breakdown of heptachlor	
Hexachlorobenzene (ppb)	0	1	0	NA	NA	2020	No	Discharge from metal refineries and agricultural chemical factories	
Lindane (ppt)	200	200	0	NA	NA	2020	No	Runoff/leaching from insecticide used on cattle, lumber, gardens	
Volatile Organic Contar	ninants								
Chlorobenzene 4/22	/2024							Discharge from chemical	

2020

2020

No

and agricultural chemical

factories

100

NA

NA NA

(monochlorobenzene)

Toluene (ppm)

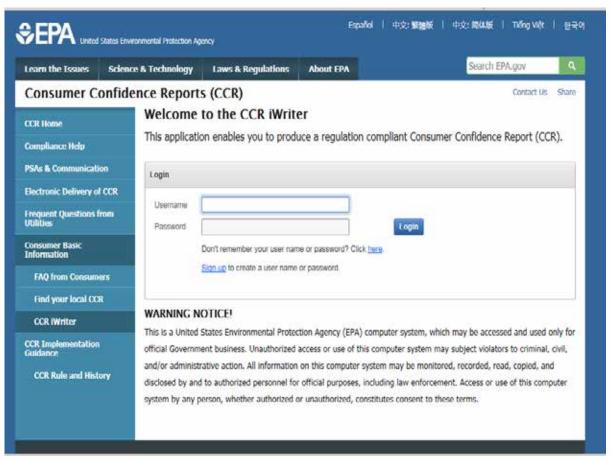
Drinking Water Watch Water Quality Data Table

Reminder: table only shows detected contaminants.

Detected contaminant is any regulated or unregulated contaminant detected at or above its method detection limit (or reportable limit)



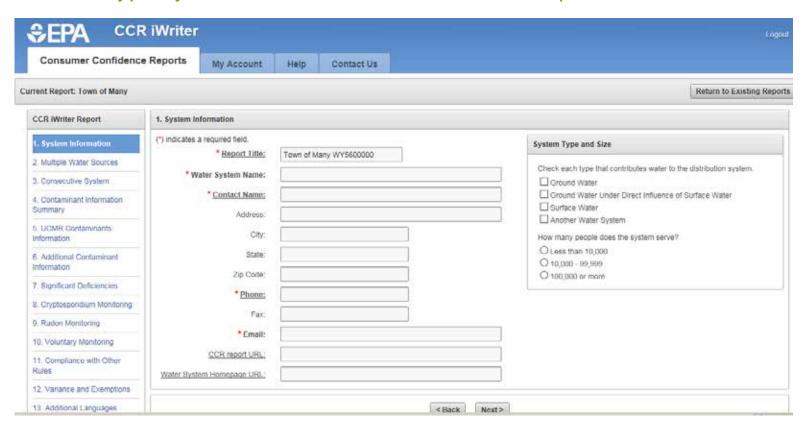
CCR iWriter





CCR iWriter

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





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

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. [NAME OF UTILITY] is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact [NAME OF UTILITY and CONTACT INFORMATION]. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at http://www.epa.gov/safewater/lead.



Two-Part Submission DEADLINES

	JULY 2020								
SUN	MON	TUE	WED	THU	FRI	SAT			
						*			
2	3	4	5	6	7				
9	10	11	12	13	14	1!			
16	17	18	19	20	21	2:			
23	24	25	26	27	28	29			
30	31								

1st Mail or directly deliver one copy of CCR to customers and EPA Region 8 by July 1st

n of 22

2nd 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

OCTOBER 2020								
SUN	MON	TUE	WED	THU	FRI	SAT		
1	2	3	4	5	6	7		
8	9	10	11	12	13	14		
15	16	17	18	19	20	21		
22	23	24	25	26	27	28		
29	30	31						



Report 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

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, <u>and</u>
- 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

 U.S. Environmental Protection Agency



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/DocumentC enter/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.









Community Water Systems Serving Fewer than 10,000 Persons	Made paper copies of the COZ available to the public specimens or through an into such late. Describe what information was provided to the customer or that half-fee could reque
Community Water System Names	pages copy of the COA, or specify the internet wisk site address:
Public Water System Monthfeation No. 40000000 Teat SSR Diet. 2020	ana waa in ta'u aa
important; in 1986, Grossmar Jim Geringer assentiand his authority under the Safe Sninking Water Act to water the direct making requirement for CDS for small community setter justience in Wysering. Small community water protection can include least their serval reporting requirements under the CDS fluid by the methods of report distribution load better.	"Great water can include making a jugar nation to or arrading a ration to your continuers.
Disastines: Please mark the boxes in the austion referent to presidenting water epities and fill in the associated blocks. Then also the force in the last section.	The community water system manned allows benefity confirms that the Communication Confidence Name has been debit Shouth to Communication of the Communication of the Communication Commu
Community Water Systems Serving Fours than 10.000 Persons good complete of these LE of the Software actions	
Medified customers by direct malling* that the CCR shall be printed in a local neespaper or made contains on an interrupt and life.	CONTINUED BY:
Specify date and method of direct notice to customers:	Name (phase pred)
	There is a second of the secon
Published the CCR as an insent in one or more local necessary serving the area of service or published the CCR or an internet each ofe.	Interciore
Specify hexapoper and the date of publication, or specify the internet web site address:	814/30 Mr.
	Please sign and send your completed cartification by mail, fax, or email for receipt on later than 0
Muste paper capes of the CCR available to the public upon request. Counties what inflammation was provided to the continues on that builder could request a	Lat of each year for the CCR due that same year.
paper caps of the CCS, if decined:	MARCHIO, ADDRESS: US Contraposantal Portacione Agency, Region 8
	Christiang Women Programs (SYMP-5C)A) Ame: CCR Rule Manager
"Cover making can include making a papar notice or amaking a notice to your customers.	1595 Wijerkoop IV.
an - 1 son and the state of the	Mademate: 5WF-62A Decree, CD 803G-1129
Community Water Systems having 500 Persons or Fewer <u>spect complete both of the following</u> .	
	THE DESIGNATION AND LABOR THAN THE PARTY AND
Provided direct notice* to each continue that the annual CCR is available. Specify the date and restlind of direct notice to customers, and others the regist was made available.	Subject: CCR Continuous Area: CCR Continuous
Mar 2018	
Mag 2000	No.



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 CCR iWRITER!



NEW CCR REVISED RULE PROPOSAL

When finalized the rule will:

- •Improve the readability, clarity, and understandability of water quality reports
- Enhance risk communication
- Encourage modern electronic delivery options
- •Clarify information regarding lead levels and efforts to reduce lead in drinking water
- Provide translation for customers with limited English proficiency
- •Require reports be issued twice a year (for systems that serve 10,000 or more people)
- •Require states to submit compliance monitoring data to EPA



Contact Information and Additional Resources

Pragati Sharma CCR Rule Manager (303) 312-7285 Sharma.pragati@epa.gov

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/compli ancehelp.cfm U.S. Environmental Protection Agency