

OPS SQL / Drinking Water CCR Report

BUILDING CONSUMER CONFIDENCE REPORTS

Producing your CCR/Water Quality Report in OPS SQL is easy. Use our wizard to setup all your contaminants. Choose from a variety of report templates to produce your report that can be directly sent to your customers or used as a basis for your report when it needs to be published by a graphic artist.

Primary Standards - Inorganic Contaminants (Measured on the Water Leaving the Treatment Facility)								
Contaminant (units)	Year Sampled	Low	Avg	High	MCLG	MCL	Violation	Likely Source of Contamination
Antimony (ppb)	2004	ND	ND	ND	6	6	N	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Health Effect: Some people who drink water containing antimony well in excess of the MCL over many years could experience increases in blood cholesterol and decreases in blood sugar.								
Arsenic (ppb)	2004	3.7	3.7	3.7	0	10	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Health Effect: Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system, and may have an increased risk of getting cancer.								
Asbestos (MFL)	2004	ND	ND	ND	7	7	N	Decay of asbestos cement water mains; Erosion of natural deposits
Health Effect: Some people who drink water containing asbestos in excess of the MCL over many years may have an increased risk of developing benign intestinal polyps.								
Barium (ppm)	2004	0.1	0.1	0.1	2	2	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Health Effect: Some people who drink water containing barium in excess of the MCL over many years could experience an increase in their blood pressure.								

Your CCR is simply a Spread Report. Use our lookup table to display the MCLG, MCL, Containment Source, and Health Effect. No more searching through guidance documents to verify you have the correct text.

For more detailed information, see our knowledge base article:

<http://www.opssys.com/instantkb/article.aspx?id=10422>

Track

- Contaminants
- MCL/MCLG
- Violations
- Health Effects
- Detections

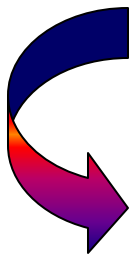
Setup

- Wizard
- Report template
- Lookup Table

The Power of Information

Bring all your SCADA, Laboratory and operator log data together and transform it into information.





Our wizard is loaded with all the information you will need to cover your requirements. Use the included lookup table with source, health effect, MCL, MCLG, MDL for all the parameters that are required for your CCR.

Lookup Table Setup

Lookup Table Name: CCR_HE

Description: Consumer Confidence Report Lookup Containment name (1), Source (2), Health Effect (3), MCL (4), MCLG (5), MDL (6) example use =TABLE("CCR_HE".3,"StoreCode".4,0,2)

	1	2	3
84382	Total Coliform	Naturally present in the environment	Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be
84382	Total Coliform Monthly % Pos	Naturally present in the environment	Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be
31611	Fecal Coliform	Human and animal fecal waste	Fecal coliforms and E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes
31648	E. Coli	Human and animal fecal waste	Fecal coliforms and E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes
03726	Total Organic Carbon	Naturally present in the environment	
45626	Turbidity	Soil runoff	
03501	Beta/pton emitters	Decay of natural and man-made deposits	
00149	Alpha emitters	Erosion of natural deposits	
09501	Combined radium	Erosion of natural deposits	
22601	Uranium	Erosion of natural deposits	
01097	Antimony	Discharge from petroleum refineries; fire reta	
01002	Arsenic	Erosion of natural deposits; Runoff from orch	
81855	Asbestos	Decay of asbestos cement water mains; Ero	
01007	Barium	Discharge of drilling wastes; Discharge from	
01012	Beryllium	Discharge from metal refineries and coal-bur	
BROMATE	Bromate	By-product of drinking water disinfection	
01027	Cadmium	Corrosion of galvanized pipes; Erosion of na	
CLMINES	Chloramines	Water additive used to control microbes	
CHLORINE	Chlorine	Water additive used to control microbes	

Water Wizard Spreadsheet.xls [Compatibility Mode]

	A	B	C	D	E	F	G	H	I
1		Location:	CCR	Area Name:					
2		Location Name	CCR						
3		Short Location Name							
4		Desc:	CCR Variables						
5		Base Var #	20000						
6									
7									
8		Var #	Parameter Name	Short Name	Frequency	Type	Units	Dec Plcs	Allow Symbol
9		1	Total Coliform		Daily	Text Parameter	P/A	0	FALSE
10		2	Total Coliform Monthly % Pos		Daily	Calculated	%	0	FALSE
11		11	Fecal Coliform		Daily	Parameter	P/A	0	FALSE
12		13	E. Coli		Daily	Parameter	P/A	0	FALSE
13		15	Total Organic Carbon		Daily	Parameter	mg/L	0	FALSE
14		17	Turbidity		Daily	Parameter	NTU	2	FALSE
15		19	Beta/pton emitters		Daily	Parameter	mrem/yr	0	TRUE
16		21	Alpha emitters		Daily	Parameter	pCi/L	0	TRUE
17		23	Combined radium		Daily	Parameter	pCi/L	0	TRUE
18		25	Uranium		Daily	Parameter	ug/L	1	TRUE
19		27	Antimony		Daily	Parameter	ppb	1	TRUE
20		29	Arsenic		Daily	Parameter	ppb	1	TRUE
21		31	Asbestos		Daily	Parameter	MFL	1	TRUE
22		33	Barium		Daily	Parameter	ppm	2	TRUE
23		35	Beryllium		Daily	Parameter	ppb	2	TRUE
24		37	Bromate		Daily	Parameter	ppb	3	TRUE
25		39	Cadmium		Daily	Parameter	ppbn	2	TRUE
26		41	Chloramines		Daily	Parameter	ppm	0	TRUE
27		43	Chlorine		Daily	Parameter	ppm	1	TRUE
28		45	Chromium		Daily	Parameter	ppb	1	TRUE

All your parameters with their Units, Storet codes, Entry Ranges, decimal places are ready to go.



Need help? OPS industry experts can assist you in configuration, report setup, and training to ensure your success. OPS SYSTEMS has been serving the water treatment market since the early 80's providing operations, laboratory and maintenance data management solutions. The OPS product line gives you the *POWER OF INFORMATION* at your finger tips. We bring the islands of data sources together to give you integrated, reliable reporting and graphical process analysis.