## CALCASIEU PARISH WW DISTRICT 8 Public Water Supply ID: LA1019118

**Consumer Confidence Report** 

# 2016 CCR

What you need to do:

Step 1: Review base report and inserts (numbered pages) for errors.

Surface Water Systems: If you are a surface water system, you must insert the turbidity data.

Step 2: Distribute completed report to your customers as outlined on the CCR Certification of Distribution Form no later than June 30, 2017.

Step 3: A completed CCR Certification of Distribution Form including a copy of the final CCR report shall be submitted to the State at the address provided on the form no later than September 30, 2017.

Notes:

This page is not part of your CCR; it is only the instruction page. The pages that are numbered in the upper right hand corner are the report pages.

#### The Water We Drink

#### **CALCASIEU PARISH WW DISTRICT 8**

Public Water Supply ID: LA1019118

We are pleased to present to you the Annual Water Quality Report for the year 2016. This report is designed to inform you about the quality of your water and services we deliver to you every day (Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien). Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

Our water source(s) are listed below:

Source Name	Source Water Type
WELL #1	Ground Water
WELL #2	Ground Water
WELL #3	Ground Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

Microbial Contaminants - such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic Contaminants - such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming.

Pesticides and Herbicides - which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

Organic Chemical Contaminants – including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

Radioactive Contaminants - which can be naturally-occurring or be the result of oil and gas production and mining activities.

A Source Water Assessment Plan (SWAP) is now available from our office. This plan is an assessment of a delineated area around our listed sources through which contaminants, if present, could migrate and reach our source water. It also includes an inventory of potential sources of contamination within the delineated area, and a determination of the water supply's susceptibility to contamination by the identified potential sources. According to the Source Water Assessment Plan, our water system had a susceptibility rating of 'MEDIUM'. If you would like to review the Source Water Assessment Plan, please feel free to contact our office.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the same protection for public health. We want our valued customers to be informed about their water utility. If you have any questions about this report, want to attend any scheduled meetings, or simply want to learn more about your drinking water, please contact DEBBIE FONTENOT at 337-582-3064.

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. CALCASIEU PARISH WW DISTRICT 8 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 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 <a href="http://www.epa.gov/safewater/lead">http://www.epa.gov/safewater/lead</a>.

The Louisiana Department of Health and Hospitals - Office of Public Health routinely monitors for constituents in your drinking water according to Federal and State laws. The tables that follow show the results of our monitoring during the period of January 1st to December 31st, 2016. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

In the tables below, you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms, we've provided the following definitions:

Parts per million (ppm) or Milligrams per liter (mg/L) – one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter (ug/L) – one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Picocuries per liter (pCi/L) – picocuries per liter is a measure of the radioactivity in water.

<u>Treatment Technique (TT)</u> – an enforceable procedure or level of technological performance which public water systems must follow to ensure control of a contaminant.

Action level (AL) – the concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.

Maximum contaminant level (MCL) – the "Maximum Allowed" MCL is the highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.

Maximum contaminant level goal (MCLG) – the "Goal" is the level of a contaminant in drinking water below which there is no known or expected risk to human health. MCLG's allow for a margin of safety.

Maximum residual disinfectant level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum residual disinfectant level goal (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Level 1 assessment – A study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment – A very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

### During the period covered by this report we had the below noted violations.

Compliance Period	Analyte	Туре		
No Violations Occurred in the Calendar Year	of 2016			

Our water system tested a minimum of 8 samples per month in accordance with the Total Coliform Rule for microbiological contaminants. During the monitoring period covered by this report, we had the following noted detections for microbiological contaminants:

Microbiological COLIFORM (TCR)	Result In the month of June, 1 sample(s) returned as positive	MCL MCL: Systems that Collect Less Than 40 Samples per Month - No more than 1 positive monthly sample	MCLG 0	Typical Source Naturally present in the environment
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In the tables below, we have shown the regulated contaminants that were detected. Chemical Sampling of our drinking water may not be required on an annual basis; therefore, information provided in this table refers back to the latest year of chemical sampling results.

Collection	Highest Value	Range	Unit	MCL	MCLG	Typical Source
3/21/2016	0.19	0.18 -	ppm	2	2	Discharge of drilling wastes, Discharge reading metal metal refineries; Erosion of natural deposits
3/21/2016	1.2	0.83 -	ppb	6	0	Discharge from rubber and chemical factories
2/21/2016	0.3	1.2	ppm	4	4	Erosion of natural deposits; Water additive
3/21/2016		0.3				fertilizer and aluminum factories
	Collection Date 3/21/2016 3/21/2016 3/21/2016	Collection         Highest           Date         Value           3/21/2016         0.19           3/21/2016         1.2           3/21/2016         0.3	Collection Date         Highest Value         Range           3/21/2016         0.19         0.18 - 0.19           3/21/2016         1.2         0.83 - 1.2           3/21/2016         0.3         0.27 - 0.3	Collection Date         Highest Value         Range         Unit           3/21/2016         0.19         0.18 - 0.19         ppm 0.19           3/21/2016         1.2         0.83 - 1.2         ppb 0.3           3/21/2016         0.3         0.27 - 0.3         ppm 0.3	Collection Date         Highest Value         Range         Unit         MCL           3/21/2016         0.19         0.18 - 0.19         ppm         2           3/21/2016         1.2         0.83 - 1.2         ppb         6           3/21/2016         0.3         0.27 - 0.3         ppm         4	Collection Date         Highest Value         Range         Unit         MCL         MCLG           3/21/2016         0.19         0.18 - 0.19         ppm         2         2           3/21/2016         1.2         0.83 - 1.2         ppb         6         0           3/21/2016         0.3         0.27 - 0.3         ppm         4         4

D. l'anualidas	Collection	Highest	Range	Unit	MCL	MCLG	Typical Source
Radionucides	Date	Value		c://	E	0	Erosion of natural deposits
COMBINED	3/21/2016	0.862	0.862	pCI/I	5	0	
RADIUM (-							-
226 & -228)					50	0	Decay of natural and man-made deposits. Note: The gross
GROSS BETA	3/21/2016	2.05	2.05	pci/i	50		beta particle activity MCL is 4 millirems/year annual dose
PARTICLE							equivalent to the total body or any internal organ. 50
ACTIVITY							pCi/L is used as a screening level.

Lead and Copper COPPER, FREE	Date 2012 - 2014	90 <sup>TH</sup> Percentile 0.4	Range 0.1 - 0.6	Unit ppm	AL 1.3	Sites Over AL O	Typical Source Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives Corrosion of household plumbing systems;
LEAD	2012 - 2014	8	1 - 13	ррр	15	0	Erosion of natural deposits

Sample Point	Period	Highest I RAA	Range	Unit	MCL	MCLG	Typical Source
4351 LUTHER ROAD	2016	12	12.2 - 12.2	ppb	60	0	By-product of drinking water disinfection
PARK RIDGE LANE @ HWY 90	2016	4	3.9 - 3.9	ppb	60	0	By-product of drinking water disinfection
4351 LUTHER ROAD	2016	51	51 - 51	ppb	80	0	By-product of drinking water chlorination
PARK RIDGE LANE @ HWY 90	2016	14	13.5 - 13.5	ppb	80	0	By-product of drinking water chlorination
	Sample Point 4351 LUTHER ROAD PARK RIDGE LANE @ HWY 90 4351 LUTHER ROAD PARK RIDGE LANE @ HWY 90	Sample PointPeriod4351 LUTHER ROAD2016PARK RIDGE LANE @ HWY 9020164351 LUTHER ROAD2016PARK RIDGE LANE @ HWY 902016	Sample PointPeriodHighest LRAA4351 LUTHER ROAD201612PARK RIDGE LANE @ HWY 90201644351 LUTHER ROAD201651PARK RIDGE LANE @ HWY 90201614	Sample PointPeriodHighest LRAARange4351 LUTHER ROAD20161212.2PARK RIDGE LANE @ HWY 90201643.94351 LUTHER ROAD20165151PARK RIDGE LANE @ HWY 9020161413.5PARK RIDGE LANE @ HWY 9020161413.5	Sample PointPeriodHighest LRAARangeUnit4351 LUTHER ROAD20161212.2 $ppb$ PARK RIDGE LANE @ HWY 9020164 $3.9 - 3.9$ $ppb$ 4351 LUTHER ROAD201651 $51 - 51$ $ppb$ PARK RIDGE LANE @ HWY 90201614 $13.5 - 13.5$ $ppb$	Sample PointPeriodHighest LRAARangeUnitMCL4351 LUTHER ROAD20161212.2ppb60PARK RIDGE LANE @ HWY 90201643.93.9ppb604351 LUTHER ROAD2016515151ppb80PARK RIDGE LANE @ HWY 9020161413.5ppb80	Sample PointPeriodHighest LRAARangeUnitMCLMCLG4351 LUTHER ROAD201612 $\begin{array}{cccccccccccccccccccccccccccccccccccc$

Secondary Contaminants	Collection Date	Highest Value	Range	Unit	SMCL
Secondary Contaminants	Collection Date	Highest Value	Mange		

CHLORIDE	3/21/2016	36.8	31.1 - 36.8	MG/L	250
IRON	3/21/2016	2.6	2.2 - 2.6	MG/L	0.3
MANGANESE	3/21/2016	0.36	0.3 - 0.36	MG/L	0.05
РН	3/21/2016	7.1	7.1	SU	8.5

++++++Environmental Protection Agency Required Health Effects Language+++++++++++ Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800–426–4791).

Additional Required Health Effects Language:

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

There are no additional required health effects violation notices.

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Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers.

We at the CALCASIEU PARISH WW DISTRICT 8 work around the clock to provide top quality drinking water to every tap. We ask that all our customers help us protect and conserve our water sources, which are the heart of our community, our way of life, and our children's future. Please call our office if you have questions.

## Addendum to Consumer Confidence Report (CCR) - Water We Drink

#### Insert: Disinfectants - Maximum Residual Disinfectant Level (MRDL) and Disinfection By-products - Maximum Contaminant Level (MCL)

Instructions:

For all systems which use either Chlorine or Chloramines, as a disinfectant: You must report the annual average disinfectant residual level result and range of individual results in a Table in your CCR as shown in the following examples. You must also add the appropriate health effects language to the report in the Health Effects Language Section if the MRDL for either disinfectant was exceeded.

For all systems which use Chlorine Dioxide as a disinfectant: You must report the highest daily chlorine dioxide disinfectant residual level result and range of results and you must report the highest arithmetic average of monthly sample sets (3 samples in distribution system) and range in a Table in your CCR as shown in the following examples. You must also add the appropriate health effects language to the report in the Health Effects Language Section if the Chlorine Dioxide MRDL or the Chlorite MCL was exceeded.

For all systems which use Ozone as a disinfectant: You must report the annual average bromate level result and range of individual results in a Table in your CCR as shown in the following examples. You must also add the appropriate health effects language to the report in the Health Effects Language Section if the bromate MCL was exceeded.

Example Table (The below data is for example only	y and is not real data for the water system)
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Contaminants	Date	Result	Unit	Range	MRDL or MCL	MRDLG or MCLG	Typical Source
Chlorine	2015	1.1	ppm	0.6-1.7	4	4	Water additive used to control microbes
Chloramines	2015	1.8	ppm	0.7-2.1	4	4	Water additive used to control microbes
Chlorine Dioxide	2015	778	ppb	722-778	800	800	Water additive used to control microbes
Chlorite	2015	0.6	ppm	0.4-0.6	1	0.8	By-product of drinking water disinfection
Bromate	2015	6	ppb	2-6	10	0	By-product of drinking water disinfection

Contaminant	Result value	Health Effects Language if exceeded
Chlorine	Highest running annual	Some people who use water containing chlorine well in excess of the
MRDL	arithmetic average,	MRDL could experience irritating effects to their eyes and nose. Some
	computed quarterly, of	people who drink water containing chlorine well in excess of the MRDL
	monthly samples	could experience stomach discomfort.
Chloramines	Highest running annual	Some people who use water containing chloramines well in excess of the
MRDL	arithmetic average,	MRDL could experience irritating effects to their eyes and nose. Some
	computed quarterly, of	people who drink water containing chloramines well in excess of the
	monthly samples	MRDL could experience stomach discomfort or anemia.
Chlorine		Some infants and young children who drink water chlorine dioxide in
Dioxide	Highest daily value	excess of the MRDL could experience nervous system effects. Similar
MRDL		effects may occur in fetuses of pregnant women who drink water
		containing chlorine dioxide in excess of the MRDL. Some people may
		experience anemia.
Chlorite	Highest arithmetic	Some infants and young children who drink water containing chlorite in
MCL	average of monthly	excess of the MCL could experience nervous system effects. Similar
	sample sets (3 samples	effects may occur in fetuses of pregnant women who drink water
	in distribution system	containing chlorite in excess of the MCL. Some people may experience
		anemia.
Bromate	Highest running annual	Some people who drink water of containing bromate in excess of the
MCL	arithmetic average,	MCL over many years may have an increased risk of getting cancer.
	computed quarterly, of	
	monthly samples	

2016 CCR, MRDL Insert - Page 1

# Addendum to Consumer Confidence Report (CCR) - Water We Drink

## Calculating Quarterly running annual averages (RAAs) for disinfectants (Chlorine (Free) and Chloramines (Total)) esiduals are taken from monthly bacteriological samples (Lab 8 forms)

cample table (The below data is for example only and			a is not real data for the water			j system)	3 <sup>rd</sup> Ouarter			4 <sup>th</sup> Quarter			
		Ist Quarter	Man	4 mm	May	Iun	Iul	Aug.	Sept.	Oct.	Nov.	Dec.	
Month	Jan.	Feb.	Mar.	Apr.	0.7	0.6	0.9	0.8	0.8	0.7	0.8	0.8	
Monthly Sample (ppm)	0.7	0.6	0.0	0.5	0.7	0.6	0.9	0.8	0.8	0.7	0.8	0.8	
Aonthly Avg.	0.7	0.6	0.0	0.5	0.7	0.0	0.7	0.8			0.8		
Quarterly Avg.		0.6			0.0			0.7			0.7		
Quarterly RAA*		0.7	1	lite from r	0.0	auarters I	not repor	ted on this	table.				
Iighest Quarterly RAA lange of individual valu Example contaminant ta	value for th ues (0.5-09) able to insert	into CCR:	/ ppm										
Contaminants	Date	Result	Unit	Range	MRI	DL	MRD	LG	Typical Source		1.		
Chlorine	2015	0.7	ppm	0.5-0.9	4		4		Water additive used to control microbes				
• System size: 1,001-2,	500 people	Sumpre											
• System size: 1,001-2,	ow data is f	or example	e only an	d is not rea	l data fo	the wate	r system)				the		
• System size: 1,001-2, Example table ( <b>The be</b>	ow data is f	or example	e only an	d is not rea	l data for 2 <sup>nd</sup> Quart	r the wate	r system)	3 <sup>rd</sup> Quart	er		4 <sup>th</sup> Quart	er	
System size: 1,001-2, Example table ( <b>The be</b>	low data is f	or example 1 <sup>st</sup> Quarte	e only an er Mar.	d is not rea	l data for 2 <sup>nd</sup> Quart May	er the wate	r system) Jul.	3 <sup>rd</sup> Quart Aug.	er Sept.	Oct.	4 <sup>th</sup> Quart Nov.	er Dec	
• System size: 1,001-2, Example table ( <b>The be</b> Month	Jan.	or example 1 <sup>st</sup> Quarte Feb. 2.1	e only an er Mar. 1.4	d is not rea Apr. 2.2	I data for 2 <sup>nd</sup> Quart May 1.4	er the wate	r system) Jul. 2.5	3 <sup>rd</sup> Quart Aug. 2.6	er Sept. 1.4	Oct. 2.9	4 <sup>th</sup> Quart Nov. 3.7	er Dec 1.8	
System size: 1,001-2, Example table ( <b>The be</b> Month Sample 1 (ppm) Sample 2 (ppm)	Jan.         1.0           1.4         1.4	or example 1 <sup>st</sup> Quarte Feb. 2.1 1.9	e only an er Mar. 1.4 0.8	d is not rea Apr. 2.2 2.2	l data for 2 <sup>nd</sup> Quart May 1.4 2.3	r the wate er Jun. 1.4 1.6	r system) Jul. 2.5 2.1	3 <sup>rd</sup> Quart Aug. 2.6 2.8	er Sept. 1.4 1.4	Oct. 2.9 2.7	4 <sup>th</sup> Quart Nov. 3.7 2.9	er Dec 1.8 1.8	
System size: 1,001-2, Example table ( <b>The be</b> Month Sample 1 (ppm) Sample 2 (ppm) Monthly Avg.	Jan.           1.0           1.4	or example 1 <sup>st</sup> Quarte Feb. 2.1 1.9 2.0	e only an er Mar. 1.4 0.8 1.1	d is not rea Apr. 2.2 2.2 2.2 2.2	I data for2nd QuartMay1.42.31.9	the wate           er           Jun.           1.4           1.6           1.5	r system) Jul. 2.5 2.1 2.3	3 <sup>rd</sup> Quart Aug. 2.6 2.8 2.7	er Sept. 1.4 1.4 1.4	Oct. 2.9 2.7 2.8	4 <sup>th</sup> Quart Nov. 3.7 2.9 3.3	er Dec 1.8 1.8 1.8	
• System size: 1,001-2,4 Example table ( <b>The bel</b> Month Sample 1 (ppm) Sample 2 (ppm) Monthly Avg. Ouarterly Avg.	Jan.           1.0           1.4	or example 1 <sup>st</sup> Quarte Feb. 2.1 1.9 2.0 1.4	e only an r Mar. 1.4 0.8 1.1	d is not rea Apr. 2.2 2.2 2.2 2.2	I data for           2 <sup>nd</sup> Quart           May           1.4           2.3           1.9	the wate           er           Jun.           1.4           1.6           1.5	r system) Jul. 2.5 2.1 2.3	3 <sup>rd</sup> Quart Aug. 2.6 2.8 2.7 2.1	er Sept. 1.4 1.4 1.4	Oct. 2.9 2.7 2.8	4 <sup>th</sup> Quart Nov. 3.7 2.9 3.3 2.6	er Dec 1.8 1.8 1.8	
• System size: 1,001-2, Example table ( <b>The bel</b> Month Sample 1 (ppm) Sample 2 (ppm) Monthly Avg. Quarterly Avg. Quarterly RAA*	Jan.           1.0           1.4	or example           1st Quarte           Feb.           2.1           1.9           2.0           1.4           1.7	e only an or 1.4 0.8 1.1	d is not rea Apr. 2.2 2.2 2.2	I data for           2 <sup>nd</sup> Quart           May           1.4           2.3           1.9           2.3	r the wate er Jun. 1.4 1.6 1.5	r system) Jul. 2.5 2.1 2.3	3 <sup>rd</sup> Quart Aug. 2.6 2.8 2.7 2.1 1.9	er Sept. 1.4 1.4 1.4	Oct. 2.9 2.7 2.8	4 <sup>th</sup> Quart Nov. 3.7 2.9 3.3 2.6 2.0	Dec 1.8 1.8 1.8	
<ul> <li>System size: 1,001-2,</li> <li>Example table (The belewidth)</li> <li>Sample 1 (ppm)</li> <li>Sample 2 (ppm)</li> <li>Monthly Avg.</li> <li>Quarterly Avg.</li> <li>Quarterly RAA*</li> <li>*Reported RAA for 1<sup>st</sup></li> <li>Information to report in</li> </ul>	1.0           1.4           1.2           at - 3 <sup>rd</sup> quart           CCR	or example 1 <sup>st</sup> Quarte Feb. 2.1 1.9 2.0 1.4 1.7 ers are ba	e only an r Mar. 1.4 0.8 1.1 sed on re	d is not rea Apr. 2.2 2.2 2.2 esults from	l data for 2 <sup>nd</sup> Quart May 1.4 2.3 1.9 1.9 2.3 previous	r the wate er Jun. 1.4 1.6 1.5 quarters	r system) Jul. 2.5 2.1 2.3 not report	3 <sup>rd</sup> Quart Aug. 2.6 2.8 2.7 2.1 1.9 ted on this	er Sept. 1.4 1.4 1.4 s table.	Oct. 2.9 2.7 2.8	4 <sup>th</sup> Quart Nov. 3.7 2.9 3.3 2.6 2.0	er Dec 1.8 1.8 1.8	
System size: 1,001-2,: Example table ( <b>The bel</b> Month Sample 1 (ppm) Sample 2 (ppm) Monthly Avg. Quarterly Avg. Quarterly RAA* * <b>Reported RAA for 1</b> <sup>s</sup> Information to report in Highest Quarterly RAA Range of individual val	ow data is fr Jan. 1.0 1.4 1.2 at - 3 <sup>rd</sup> quart CCR Value for th ues (0.8 -3.7	or example $1^{st}$ Quarte Feb. 2.1 1.9 2.0 1.4 1.7 ers are ba me year = 2 ) into CCR	e only an mar. 1.4 0.8 1.1 sed on re 3 ppm	d is not rea	l data for 2 <sup>nd</sup> Quart May 1.4 2.3 1.9 1.9 2.3 previous	r the wate er 1.4 1.6 1.5 quarters	r system) Jul. 2.5 2.1 2.3 not repor	3 <sup>rd</sup> Quart Aug. 2.6 2.8 2.7 2.1 1.9 rted on this	er Sept. 1.4 1.4 1.4 s table.	Oct. 2.9 2.7 2.8	4 <sup>th</sup> Quart Nov. 3.7 2.9 3.3 2.6 2.0	er Dec 1.8 1.8 1.8	
System size: 1,001-2,: Example table ( <b>The bel</b> Month Sample 1 (ppm) Sample 2 (ppm) Monthly Avg. Quarterly Avg. Quarterly RAA* *Reported RAA for 1 <sup>s</sup> Information to report in Highest Quarterly RAA Range of individual val Example contaminant t	ow data is f Jan. 1.0 1.4 1.2 $t - 3^{rd}$ quart CCR Value for th ues (0.8 -3.7 able to insert	or example $1^{st}$ Quarte Feb. 2.1 1.9 2.0 1.4 1.7 ers are ba ne year = 2 ) into CCR:	e only an m Mar. 1.4 0.8 1.1 sed on re 3 ppm	d is not rea	l data for 2 <sup>nd</sup> Quart May 1.4 2.3 1.9 1.9 2.3 previous	r the wate er 1.4 1.6 1.5 quarters	r system) Jul. 2.5 2.1 2.3 not repor	3 <sup>rd</sup> Quart Aug. 2.6 2.8 2.7 2.1 1.9 ted on this	er Sept. 1.4 1.4 1.4 s table.	Oct. 2.9 2.7 2.8	4 <sup>th</sup> Quart Nov. 3.7 2.9 3.3 2.6 2.0	er Dec 1.8 1.8 1.8	

Calculations

- Monthly Avg. = (Sum of individual sample results collected in the month)/ total number of samples in month • Example: For January in Example 2: (1.0 + 1.4)/2 = 1.2
- Quarterly Avg. = (Sum of monthly avgs. for a quarter)/3 Example: For 1<sup>st</sup> Quarter in Example 2: (1.2 + 2.0 + 1.1)/3 = 1.4. Quarterly RAA = (The Quarterly Avg. + 3 previous Quarterly Avgs.)/4
- . Example: For Quarterly Avg. for 4<sup>th</sup> Quarter in Example 2: (2.6+2.1+1.9+1.4)/4 = 2.0

**Ouarterly RAA** 

Quantary	Cond and the Owner of the Owner
1 <sup>st</sup> Ouarterly RAA	(1st Quarterly Avg. + Sum of 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>rd</sup> Quarterly Avgs. from previous year) + 4
2nd Quarterly PAA	(2 <sup>nd</sup> Quarterly Avg. + 1 <sup>st</sup> Quarterly Avg. + 3 <sup>rd</sup> and 4 <sup>th</sup> Quarterly Avgs. from previous year) / 4
2 <sup>m</sup> Quarterly RAA	$(2 - quarterly A) = 2^{nd} Q_{astrophy} A_{astrophy} A_$
3 <sup>rd</sup> Quarterly RAA	(3 <sup>rd</sup> Quarterly Avg. + 2 <sup>rd</sup> Quarterly Avg. + 1 <sup>rd</sup> Quarterly Avg. + 4 <sup>rd</sup> Quarterly Avg. + 1 <sup>rd</sup> Quarterly Avg.
4th Quarterly RAA	(4 <sup>th</sup> Quarterly Avg. + 3 <sup>rd</sup> Quarterly Avg. + 2 <sup>nd</sup> Quarterly Avg. + 1 <sup>st</sup> Quarterly Avg.) / 4