APPENDIX B: eCCR Certification Form (Suggested Format)

Consumer Confidence Report Certification Form

(To be submitted with a copy of the CCR)

Water System Name:	City of Imperial
Water System Number:	CA1310006

The water system named above hereby certifies that its Consumer Confidence Report was distributed on July 15, 2024 (and future date August 1, 2024) to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water (DDW).

Certified by:

Name: Jenell Guerrero	Title: Assistant to the City Manager
Signature: JGuerrero	Date: July 15, 2024
Phone number: 760-355-1153	blank

To summarize report delivery used and good-faith efforts taken, please complete this page by checking all items that apply and fill-in where appropriate:

- ☐ CCR was distributed by mail or other direct delivery methods (attach description of other direct delivery methods used).
- ☒ CCR was distributed using electronic delivery methods described in the Guidance for Electronic Delivery of the Consumer Confidence Report (water systems utilizing electronic delivery methods must complete the second page).
- ☒ "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:
  - ☒ Posting the CCR at the following URL: www.cityofimperial.org/sites/default/files/CA017218-1_WR.pdf
  - ☐ Mailing the CCR to postal patrons within the service area (attach zip codes used)
  - ☐ Advertising the availability of the CCR in news media (attach copy of press release)
  - ☐ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)
  - ☒ Posted the CCR in public places (attach a list of locations)

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Certified by:

Name: David Dale	Title: Public Services Director
Signature:	Date: July 15, 2024
Phone number: 760-355-3336	blank

To summarize report delivery used and good-faith efforts taken, please complete this page by checking all items that apply and fill-in where appropriate:

- ☐ CCR was distributed by mail or other direct delivery methods (attach description of other direct delivery methods used).
- ☒ CCR was distributed using electronic delivery methods described in the Guidance for Electronic Delivery of the Consumer Confidence Report (water systems utilizing electronic delivery methods must complete the second page).
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  - ☐ Mailing the CCR to postal patrons within the service area (attach zip codes used)
  - ☐ Advertising the availability of the CCR in news media (attach copy of press release)
  - ☐ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)
  - ☒ Posted the CCR in public places (attach a list of locations)

- 420 S. Imperial Ave, Imperial, Ca 92251 (posted notice to outside bulletin board)

☐ Delivery of multiple copies of CCR to single-billed addresses serving several persons, such as apartments, businesses, and schools

☐ Delivery to community organizations (attach a list of organizations)

☐ Publication of the CCR in the electronic city newsletter or electronic community newsletter or listserv (attach a copy of the article or notice)

☒ Electronic announcement of CCR availability via social media outlets (attach list of social media outlets utilized)

- Instagram (@cityofimperial)
- Facebook (City of Imperial)

☐ Other (attach a list of other methods used)

☐ *For systems serving at least 100,000 persons*: Posted CCR on a publicly-accessible internet site at the following URL: www._____

☐ *For privately-owned utilities*: Delivered the CCR to the California Public Utilities Commission

Consumer Confidence Report Electronic Delivery Certification

Water systems utilizing electronic distribution methods for CCR delivery must complete this page by checking all items that apply and fill-in where appropriate.

☒ Water system mailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available website where it can be viewed (attach a copy of the mailed CCR notification). URL: www.cityofimperial.org/sites/default/files/CA017218-1_WR.pdf

☒ Water system emailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available site on the Internet where it can be viewed (attach a copy of the emailed CCR notification). URL: www.cityofimperial.org/sites/default/files/CA017218-1_WR.pdf

☐ Water system emailed the CCR as an electronic file email attachment.

☐ Water system emailed the CCR text and tables inserted or embedded into the body of an email, not as an attachment (attach a copy of the emailed CCR).

☐ *Requires prior DDW review and approval.* Water system utilized other electronic delivery method that meets the direct delivery requirement.

Provide a brief description of the water system's electronic delivery procedures and include how the water system ensures delivery to customers unable to receive electronic delivery.

The City of Imperial will be issuing a notice with the customer's water bills (August 1st)
informing the 2023 CCR is available online. A direct link to the report will be provided
along with contact information should customers seek a hard copy version of the report.
Additionally, the City posted notice on our Instagram and Facebook platforms informing
the CCR is now available. Link was provided for ability to access the report.
Customers that receive electronic water bills were emailed/notified that the 2023 CCR
report is available. They were provided a flyer and direct link to the report.
2023 CCR posted to City of Imperial website.
Action taken, aside from electronic notice, was the posting of an information bulletin
outside of City Hall informing 2023 CCR is available online and hardcopy within City
Hall.

This form is provided as a convenience and may be used to meet the certification requirement of
section 64483(c) of the California Code of Regulations.

NOTICE

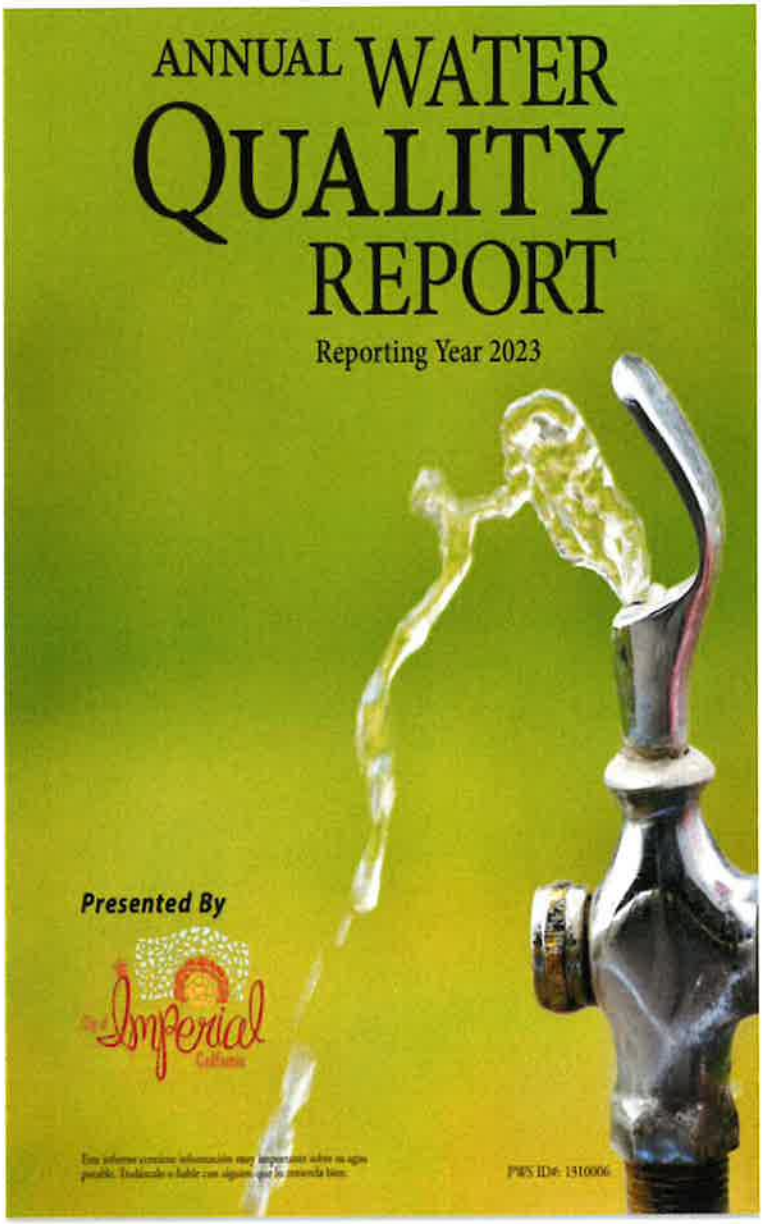
2023 CONSUMER CONFIDENCE REPORT
NOW AVAILABLE ONLINE

THIS REPORT CONTAINS IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER. PLEASE CONTACT CITY OF IMPERIAL PUBLIC SERVICES AT (760) 355-2155 FOR ASSISTANCE.

Este informe contiene información importante sobre su agua potable. Favor de comunicarse con los Servicios Públicos de la Ciudad de Imperial al (760) 355-2155 si tiene preguntas.

Each year the City of Imperial provides its customers with a Consumer Confidence Report, or CCR, which is Annual Water Quality. The purpose of the CCR is to raise customer's awareness of the quality of their drinking water, where their drinking water comes from, what it takes to deliver water to their homes, and the importance of protecting drinking water sources. In an effort to be more environmentally and fiscally responsible we have made the report available on the internet. Visit us online to view your 2023 water quality report at: www.cityofimperial.org/sites/default/files/CA0172181_WR.pdf

If you desire to have a paper copy, you can print one directly from our website. You can also receive a printed version by visiting Imperial City Hall at 420 S. Imperial Ave, Imperial, CA 92251.



ANNUAL WATER QUALITY REPORT

Reporting Year 2023

Presented By

City of Imperial California

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

PWS ID#: 1310006

Our Mission Continues

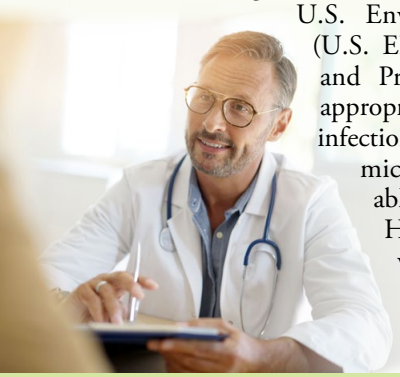
We are once again pleased to present our annual water quality report covering all testing performed between January 1 and December 31, 2023. Over the years, we have dedicated ourselves to producing drinking water that meets all state and federal standards. We continually strive to adopt new methods for delivering the best-quality drinking water to you. As new challenges to drinking water safety emerge, we remain vigilant in meeting the goals of source water protection, water conservation, and community education while continuing to serve the needs of all our water users. Please remember that we are always available should you ever have any questions or concerns about your water.

Testing for *Cryptosporidium*

Monitoring of our source water indicates *cryptosporidium* is below the laboratory detection limit. *Cryptosporidium* is a microbial pathogen found in surface water throughout the U.S. Although filtration removes *cryptosporidium*, the most commonly used filtration methods cannot guarantee 100-percent removal. Current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. Ingestion of *cryptosporidium* may cause cryptosporidiosis, an abdominal infection. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks; however, immunocompromised people, infants and small children, and the elderly are at greater risk of developing life-threatening illness. We encourage immunocompromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. *Cryptosporidium* must be ingested to cause disease, and it may be spread through means other than drinking water.

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. Environmental Protection Agency (U.S. EPA)/Centers for Disease Control and Prevention (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 at (800) 426-4791 or water.epa.gov/drink/hotline.



Where Does My Water Come From?

The City of Imperial receives its water supply from the Colorado River via the All-American Canal and the facilities of the Imperial Irrigation District. Our treatment process for this surface water includes sedimentation, coagulation, flocculation, filtration, and disinfection. The city currently provides an average of 2.6 million gallons per day, 961 million gallons of water annually, to its citizens.

The raw water we receive from the All-American Canal exceeded standards for aluminum and iron. At the present time, the City of Imperial meets all applicable SWRCB, Division of Drinking Water, and U.S. EPA domestic water quality standards.

Lead in Home Plumbing

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. We are responsible for providing high-quality drinking water, but we 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 two minutes before using water for drinking or cooking. (If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.) 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 at (800) 426-4791 or epa.gov/safewater/lead.

Questions?

For more information about this report, or for any questions or concerns relating to your drinking water, please call Robert Emmett, Chief Water Plant Operator, at (760) 355-2155.

Substances That Could Be in 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 the 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.

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Water Resources Control Board (SWRCB) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and as well as California law establish limits for contaminants in bottled water that provide the same protection for public health. 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.

Contaminants that may be present in source water include:

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

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

Pesticides and Herbicides that 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 which can also come from gas stations, urban stormwater runoff, agricultural applications, and septic systems;

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

More information about contaminants and potential health effects can be obtained by calling the U.S. EPA Safe Drinking Water Hotline at (800) 426-4791.

City Council Meetings

You are invited to participate in our city council meetings. We meet the first and third Wednesday of each month at 7:00 p.m. at the Imperial Council Chambers, 200 West Ninth Street.

Water Treatment Process

The treatment process consists of a series of steps. First, raw water is drawn from our source and sent to several ponds that provide holding capacity for the water treatment plant. The water is then pumped to a settling basin that has flocculator mixers, where a polymer and a coagulant are added. The addition of these substances causes small particles called floc to adhere to one another, making them heavy enough to settle into a basin from which sediment is removed. At this point, the water is filtered through layers of fine coal and silicate sand. As smaller suspended particles are removed, turbidity disappears and clear water emerges.

Chlorine is added after filtration to disinfect the water to prevent the development of bacteria. We carefully monitor the amount of chlorine, adding the lowest quantity necessary to protect the safety of your water without compromising taste. Next, a portion of the water is pumped into four granular activated carbon columns to reduce total organic carbon (TOC), one of the precursors of total trihalomethane (TTHM) formation. Finally, the combined water is sent to the two-million-gallon finished water tank. From there it is pumped into the distribution system for your home or business.

Chlorination

Disinfection, a chemical process used to control disease-causing microorganisms by killing or inactivating them, is unquestionably the most important step in drinking water treatment. By far, the most common method of disinfection in North America is chlorination.

Before communities began routinely treating drinking water with chlorine (starting with Chicago and Jersey City in 1908), cholera, typhoid fever, dysentery, and hepatitis A killed thousands of U.S. residents annually. Drinking water chlorination and filtration have helped to virtually eliminate these diseases in the U.S. Significant strides in public health are directly linked to the adoption of drinking water chlorination. In fact, the filtration of drinking water and the use of chlorine are probably the most significant public health advancements in human history.

Benefits of Chlorination

- Potent Germicide: Reduction of many disease-causing microorganisms in drinking water to almost immeasurable levels.
- Taste and Odor: Reduction of many disagreeable tastes and odors from foul-smelling algae secretions, sulfides, and decaying vegetation.
- Biological Growth: Elimination of slime bacteria, molds, and algae that commonly grow in water supply reservoirs, on the walls of water mains, and in storage tanks.
- Chemical: Removal of hydrogen sulfide (which has a rotten egg odor), ammonia, and other nitrogenous compounds that have unpleasant tastes and hinder disinfection. It also helps to remove iron and manganese from raw water.

Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule, and the water we deliver must meet specific health standards. Here, we only show those substances that were detected in our water (a complete list of all our analytical results is available upon request). Remember that detecting a substance does not mean the water is unsafe to drink; our goal is to keep all detects below their respective maximum allowed levels. The state recommends monitoring for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken. The levels detected in the Regulated, Secondary and Unregulated tables are the levels of contaminants detected at source (Central Main Canal).

REGULATED SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDL]	PHG (MCLG) [MRDLG]	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Arsenic (ppb)	2023	10	0.004	3.8	NA	No	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium (ppm)	2023	1,000	2	140	NA	No	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Chromium (Total Cr) (ppb)	2023	50	12	150	NA	No	Erosion of natural deposits; discharge from metal factories
Fluoride (ppm)	2023	2.0	1	0.38	NA	No	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories

SECONDARY SUBSTANCES

				Unregulated and Other Substances Central Main Canal		Primary Standards Central Main Canal			
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	SMCL	PHG (MCLG)	AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Aluminum (ppb)	2023	200	NS	50	NA	NA	NA	No	Erosion of natural deposits; residual from some surface water treatment processes
Color (units)	2023	15	NS	40	NA	NA	NA	No	Naturally occurring organic materials
Chloride (CI) (ppm)	2023	500	NS	120	NA	NA	NA	No	Runoff/leaching from natural deposits
Iron (ppb)	2023	300	NS	1,500	NA	NA	NA	No	Leaching from natural deposits; industrial wastes
Manganese (ppb)	2023	50	NS	54	NA	NA	NA	No	Leaching from natural deposits
Odor Threshold (TON)	2023	3	NS	1	NA	NA	NA	No	Naturally occurring organic materials
Specific Conductance (µmho/cm)	2023	1,600	NS	1,200	NA	NA[1]	NA	No	Substances that form ions when in water; seawater influence
Sulfate (ppm)	2023	500	NS	270	NA	NA[1]	NA	No	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	2023	1,000	NS	730	NA	NA	NA	No	Runoff/leaching from natural deposits
Turbidity (NTU)	2023	5	NS	22	NA	NA	NA	Yes[2]	Soil runoff

Definitions

AL (Regulatory Action Level): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs (SMCLs) are set to protect the odor, taste, and appearance of drinking water.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. EPA.

MRDL (Maximum Residual Disinfectant Level): 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.

MRDLG (Maximum Residual Disinfectant Level Goal): 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.

NA: Not applicable.

NS: No standard.

NTU (Nephelometric Turbidity Units): Measurement of the clarity, or turbidity, of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

PDWS (Primary Drinking Water Standard): MCLs and MRDLs for contaminants that affect health, along with their monitoring and reporting requirements and water treatment requirements.

PHG (Public Health Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California EPA.

ppb (µg/L) (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (mg/L) (parts per million): One part substance per million parts water (or milligrams per liter).

µmho/cm (micromhos per centimeter): A unit expressing the amount of electrical conductivity of a solution.

UNREGULATED SUBSTANCES [3]

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
Alkalinity, Total (ppm)	2023	140	NA	Leaching from natural deposits
Bicarbonate (ppm)	2023	170	NA	Leaching from natural deposits
Boron (ppb)	2023	190	NA	Leaching from natural deposits
Calcium (ppm)	2023	89	NA	Leaching from natural deposits
Hardness, Total [as CaCO3] (ppm)	2023	350	NA	Leaching from natural deposits
Magnesium (ppm)	2023	30	NA	Leaching from natural deposits
pH (units)	2023	8.1	NA	Leaching from natural deposits
Potassium (ppm)	2023	5.8	NA	Leaching from natural deposits
Sodium (ppm)	2023	120	NA	Leaching from natural deposits
Total Anions (ppm)	2023	11.8	NA	Naturally occurring
Total Cations (ppm)	2023	12.3	NA	Naturally occurring
Vanadium (ppb)	2023	49	NA	Leaching from natural deposits

	90th Percentile Leve (mg/L)
Lead: Action Level = 0.015 mg/L	ND = (<0.005)
Copper: Action Level = 1.3 mg/L	0.033

SITE 1-10 RESULTS

SAMPLE SITE LOCATION	TIER 1,2,3 OR R	LEAD (MG/L)	COPPER (MG/L)
Sample 1	1	<0.005	0.021
Sample 2	1	<0.005	0.023
Sample 3	1	<0.005	0.023
Sample 4	1	<0.005	0.025
Sample 5	1	<0.005	0.027
Sample 6	1	<0.005	0.027
Sample 7	1	<0.005	0.033
Sample 8	1	<0.005	0.034
Sample 9	1	<0.005	0.034
Sample 10	1	<0.005	0.08

[1] Sampled in 2022.
[2] This is an Unregulated Substances and Other Substances Central Main Canal Violation Only.
[3] Unregulated contaminant monitoring helps U.S. EPA and the SWRCB determine where certain contaminants occur and whether the contaminants need to be regulated.

TTHM RESULTS

TTHM MCL	0.080 mg/L
MCL in CCR Units	80 ug/L

2023 TTHM RESULTS (UG/L)

LOCATION	1ST QTR	2ND QTR	3RD QTR	4TH QTR
Site 1	46	42	58	56
Site 1 LRAA	60	50	50	51
Site 2	33	32	42	41
Site 2 LRAA	39	35	36	38
Site 3	40	55	65	71
Site 3 LRAA	55	51	57	62
Site 4	37	36	43	42
Site 4 LRAA	44	40	40	39

HAA5 RESULTS

HAA5 MCL	0.060 ug/L
MCL in CCR Units	60 ppb

2023 HAA5 RESULTS

1ST QTR	2ND QTR	3RD QTR	4TH QTR
6.8	9.5	19	7.8
4.5	6.4	11	6.8
5	2	18	2
4.9	6.6	12	5.5

Source Water Assessment

A source water assessment plan (SWAP) is now available at our office. If you would like to review the SWAP, please feel free to contact our office during regular office hours at (760) 355-2155.