CITY OF DEL MAR
PUBLIC WORKS

August 14, 2024

State Water Resources Control Board – Division of Drinking Water
Attn: Mr. Joseph Guzman
District 14 - San Diego
via email: DDWSanDiego@waterboards.ca.gov

Re: Consumer Confidence Report (CCR2023) – Delivery Certification Form for CA3710004

Dear Mr. Guzman,

Enclosed please find the completed Delivery Certification Form for the Consumer Confidence Report (CCR20223) for the City of Del Mar Potable Water System, 3710004.

During the two bimonthly water billing cycles of May and June 2024, the City added a message to the Utility Service bill to inform the City's potable water customers that the electronic version of the CCR20223, is available online via City's website by July 1, 2024, at **http://www.delmar.ca.us/ccr2023**.

The CCR2023 was uploaded to the eAR portal as required and 10 hard copies were mailed.

If you have any questions, please call Diana Martinez, Associate Management Analyst at (858) 704-3677.

Sincerely,

J Bride

Joe Bride, Public Works Director

Encl.: CCR2023 Delivery Certification Form
Attachment A – bill insert for CCR2023
Attachment B – sample of customer water bill with notice of CCR2023
Attachment C – CCR2023

\\EARTH\Teams\PubWork\MUFFS\900-PUBLIC WORKS\907-WATER SYSTEM\907-1 Water Services, General\CCR\CCR2024 for CY2023\CCR\Certification for CY2023\certification parts\CY2023 CCR Cert Form Letter.docx

Consumer Confidence Report Certification Form

(To be submitted with a copy of the CCR)

Water System Name:	**City of Del Mar**
Water System Number:	**37-10004-001**

The water system named above hereby certifies that its Consumer Confidence Report was distributed prior to July 31, 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: **Joe Bride**	Title: **Public Works Director**
Signature: J Bride	Date: **August 14, 2024**
Phone number: **858-755-3294**	

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:

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- ☐ 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: **http://www.delmar.ca.us/ccr2023**
  - ☐ 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)
  - ☐ 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)

☒ Other (attach a list of other methods used) **Upon request, mailed printed copy of CCR20223, to 10 Residents/water consumers, which was announced in their monthly Water Utility bill that was mailed to all Customers.**

☐ *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: **http://www.delmar.ca.us/ccr2023**

☐ 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._____

☐ 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.

During the months of May and June 2024 all customer's water bills included a notice and a bill stuffer to every resident/customer that the CCR2023 would be available online starting July 1, 2024 from City's website at: **http://www.delmar.ca.us/ccr2023**. A copy of the bill stuffer can be found as attachment A.

Customers were informed that by marking the check box and returning the notice with their payment, (see copy of water bill in attachment B), or by calling Public Works at (858) 755-3294, a hard copy of the CCR20223, would be mailed to their requested address.

A total of 10 hard copies of the CCR were requested and have been mailed to Residents/Customers of the City of Del Mar Water Distribution System.

2023 Annual Drinking Water Quality Report

Starting July 1, 2024, the City of Del Mar Consumer Confidence Report (CCR) will be available online at http://www.delmar.ca.us/ccr2023. This report contains important information about the source and quality of your drinking water. If you would like to receive a printed copy of the 2023 Annual Drinking Water Quality Report, please check the box provided on the payment slip of your water bill and mail it back to us. Or, give us a call at (858) 755-3294, and we'll be happy to put a printed copy for you in the mail.

A partir del 1 de Julio del 2024, usted podrá acceder a través del internet el Reporte Anual de Calidad de Agua potable, en la pagina de la Ciudad de Del Mar, http://www.delmar.ca.us/ccr2023. El reporte contiene valiosa información acerca de las fuentes de abasto y calidad de su agua potable. Si desea obtener por correo una copia de su más reciente Reporte de Calidad de Agua 2023, por favor, haga una marca en el encasillado en su recibo de agua y mandé lo por correo. O, puede solicitar una copia comunicándose al número de telefóno (858) 755-3294.

Del Mar Public Works Department

CITY OF DEL MAR
Finance Department
1050 Camino Del Mar
Del Mar, CA 92014-2698
(858) 755-9354

UTILITY
SERVICE

Account Number	Service Address	Past Due After	Balance Due
05-0240-03	[redacted]	**06/05/2024**	**597.86**

[redacted]

☐ Please check the box if you would prefer a paper copy of your *Annual Water Quality Report* delivered to your mailing address.

CHECK #

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

CITY OF DEL MAR

1050 CAMINO DEL MAR DEL MAR, CA 92014-2698 (858) 755-9354

OFFICE HOURS: 8:00 AM TO 5:00 PM MONDAY THROUGH FRIDAY

Account Number	Account Type	Meter Size	Start Date	End Date	Billing Date	Due Date
05-0240-03	Sgl Fam Residence	3/4 "	3/1/2024	4/30/2024	05/09/2024	06/05/2024

Service Location	Prior Reading	Current Reading	Usage	Billing Days
1224 PACIFIC LN	2702	2728	26	61

Date	Type of Service / Rate						Amount
03/06/24	Previous Balance						475.24
03/20/24	Payment - thank you						-475.24 CR
						Balance Forward:	0.00
	Current Charges						
	Water Usage	Tier I		20 Units @	6.22	124.40	169.22
		Tier II		6 Units @	7.47	44.82	
	Water Base						132.06
	Sewer Usage (Winter CAP: 14)		Cap	14.00000 Units @	8.98	125.72	125.72
	Sewer Base						127.10
	Clean Water						43.76
						Current Charges:	597.86
						Total Amount Due:	**597.86**

Save Time and Money.....Pay Online: www.delmar.ca.us/billpay or by phone: Dial 1-855-385-9410 - 24 hours a day/7 days a week.

STARTING JULY 1, 2024, THE CITY OF DEL MAR WATER CONSUMER CONFIDENCE REPORT (CR2023) WILL BE AVAILABLE ONLINE AT HTTP://WWW.DELMAR.CA.US/CCR2023. THIS REPORT CONTAINS IMPORTANT INFORMATION ABOUT THE SOURCE AND QUALITY OF YOUR DRINKING WATER. IF YOU PREFER A PRINTED REPORT, DELIVERED TO YOUR HOME, PLEASE CHECK THE BOX ON THE PAYMENT SLIP AND MAIL IT BACK TO CITY OF DEL MAR FINANCE DEPT, OR PLEASE CALL (858) 755-3294.

1 UNIT = 748 GALLONS

AMOUNT PAID TO OTHER AGENCIES		
	Water	Sewer
City of San Diego	29.53	113.77
SDCWA / MWD	130.45	0.00
Amount Paid to Other Agencies	159.98	113.77

WATER CONSERVATION INFORMATION		
This Year's Gallons/Day	Last Year's Gallons/Day	% Change
318.82	183.93	73%

PLEASE SEE REVERSE SIDE FOR IMPORTANT BILLING INFORMATION
KEEP THIS PORTION FOR YOUR RECORDS

City of Del Mar – 2023 Annual Drinking Water Quality Report

This report is a snapshot of the quality of the water the City of San Diego provided to the City of Del Mar during calendar year 2023. We test the drinking water quality for many constituents as required by state and federal regulations. Included are details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies.

Where does my water come from?

The City of Del Mar purchases untreated water from the San Diego County Water Authority (sdcwa.org), which purchases water from multiple sources(1), including the Metropolitan Water District of Southern California (mwdh2o.com). The City of San Diego treats the water for the City of Del Mar at the Miramar Water Treatment Plant. The treated water is pumped to and stored in the City's four potable water reservoirs.

Source 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. 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 result from urban storm water 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 storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, agricultural application, and septic systems.
- Radioactive contaminants that can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Board 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 California also establish limits for contaminants in bottled water that provide the same protection for public health. In 2023 as in past years, your tap water not only met, but parameters were less than all U.S. Environment Protection Agency and State of California regulatory limits for drinking water health standards.

Lead and Copper

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

Important Health Information

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/Centers for Disease Control 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 (1-800-426-4791). During calendar year 2023, the water supply to each of the City's purveyor water treatment plants was monitored for Cryptosporidium and Giardia, and neither was detected.

Lead and Copper (cont'd)

components associated with service lines and home plumbing. City of Del Mar 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 two 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 at www.epa.gov/lead or from the Safe Drinking Water Hotline at (1-800-426-4791).

Lead and copper enter drinking water primarily through plumbing materials. Exposure to lead and copper may cause health problems ranging from stomach distress to brain damage. In 1991, the EPA published the Lead and Copper Rule to control lead and copper in drinking water. The rule requires the City to monitor drinking water at customer taps. If lead concentrations exceed an Action Level (AL) of 15 ppb, or copper concentrations exceed an AL of 1.3 ppm in more than 10 percent of taps sampled, i.e. the 90th percentile, the City would be required to undertake a number of additional actions to inform the public and control corrosion.

In 2021, 20 customers (plus 'the Winston School') provided a total of 22 samples from their taps to the City of Del Mar for Lead and Copper analysis. The results of these tests are presented here, and in the tables, hereunder. Two (2) of the 20 sites had a result above the AL for Copper. Because less than 10 percent of our results were above the AL for Lead and Copper, no additional actions are required.

Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of material's used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and/or flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the U.S. EPA Safe Drinking Water Hotline (1-800-426-4791).

City of Del Mar - 2023 Annual Drinking Water Quality Report

ENVIRONMENTAL MONITORING AND TECHNICAL SERVICES - CONSUMER CONFIDENCE REPORT DATA - 2023

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. More information about contaminants and potential health effects can be obtained by calling the US EPA's Safe Drinking Water Hotline at 800-426-4791. For a list of action levels, visit the website of the SWRCB-DDW State Water Resources Control Board Division of Drinking Water at www.waterboards.ca.gov

How to Read the Tables

The tables below list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these cantaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

These tables summarize monitoring from 2023, with exceptions (see table footnotes). SWRCB mandates monitoring radioactive contaminants every three years. The lead and copper testing was conducted in June 2021, and is monitored every three years. The levels of these contaminants are not expected to vary significantly

Definition of Terms

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

Location-based Running Annual Average (LRAA): The average of the most recent four quarters of monitoring performed at a distinct location in the distribution system. LRAAs are calculated quarterly using twelve months of data and may include values obtained in previous Calendar Year 2021.

Maximum Contaminant Level (MCL): 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 or technologically feasible. Secondary MCLs are set to protect the odor, taste and appearance of drinking water.

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

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 microbrial contaminents..

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or excpected risk to health. MRDLGs do no reflect the benefits of the use of disinfectants to control mircobial contaminants.

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

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

Abbreviations

A: Absent

CA SMCL: California Secondary Maximum Contaminant Level

SWRCB-DDW: California State Water Resources Control Board - Division of Drinking Water

CSD MDL: City of San Diego Water Quality Laboratory

Method Detection Limit: Lowest quantifable concentration of a measured analyte detectable by the laboratory.

CU: Color Units

DLR: Detection Limit for Reporting

gr/Gal: Grains per Gallon

ml: Milliliter

MWD: Metropolitan Water District of Southern California

N/A: Not Applicable

ND: Not detected at tesing limit

NTU: Nephelometric Turbidity Units

OU: Odor Units

pCi/L: Picocuries per Liter (a measure of radiation)

ppb: Parts per billion or micrograms per liter (µg/L)

ppm: Parts per million or milligrams per liter (mg/L)

TT (Treatment Technique): a required process intended to reduce the level of a contaminant in drinking water

µS/CM: Micro-siemens/cm

< Less than **>** Greater than

TABLE 1 – DETECTED REGULATED CCR CONTAMINANTS WITH PRIMARY MCLs

PRIMARY STANDARDS (MANDATORY HEALTH RELATED STANDARDS)

CHEMICAL PARAMETERS	UNITS	MCL	PHG	DDW DLR	CITY OF SAN DIEGO - MIRAMAR TREATMENT PLANT		
					AVERAGE	RANGE	MAJOR SOURCES IN DRINKING WATER
Aluminum	ppm	1.0	0.6	0.05	ND	ND-ND	Erosion of natural deposits; residue from some surface water treatment processes
Arsenic	ppb	10.0	0.004	2	ND	ND - 3	Erosion of natural deposits, glass and electronics production waste
Barium	ppm	1.0	2	0.1	0.1	ND - 0.1	Erosion of natural deposits; discharges of oil drilling wastes
Fluoride (naturally occurring)	ppm	2.0	1	0.1	0.3	0.2 - 0.4	Erosion of natural deposits
Fluoride (treatment-related)*	ppm	2.0	1	0.1	0.6	0.3 - 0.8	Water additive that promotes strong teeth
Nitrate (as N)	ppm	10	10	0.4	ND	ND - ND	Erosion of natural deposits; runoff and leaching from fertilizer use

*Optimal Fluoride Level as established by US Dept. of Health and Human Services and State Water Resources Control Board is 0.7 ppm.

Primary Standards (Mandatory Health Related Standards) - RADIOACTIVE CONTAMINANTS

RADIOACTIVE PARAMETERS	UNITS	MCL	PHG (MCLG)	DDW DLR	CITY OF SAN DIEGO - MIRAMAR TREATMENT PLANT^		
					AVERAGE	RANGE	MAJOR SOURCES IN DRINKING WATER
Gross Alpha Particle Activity	pCi/L	15	(0)	3	ND	Single Sample	Erosion of natural deposits
Gross Beta Particle Activity	pCi/L	50*	(0)	4	ND	Single Sample	Decay of natural and man-made deposits
Radium 228	pCi/L	---	0.019	1	ND	Single Sample	Erosion of natural deposits
Uranium	pCi/L	20	0.43	1	1.6	Single Sample	Erosion of natural deposits

*The State Water Resources Control Board considers 50 pCi/L to be the level of concern for beta particles.

^Miramar Treatment Plant - Radium 228 data from 2017

CITY OF DEL MAR - DISTRIBUTION SYSTEM AVERAGE

MICROBIOLOGICAL	Systems that collect <40 samples/month No more than 1 positive monthly sample	No. of Months	PHG	
MICROBIOLOGICAL	Amount Detected	in Violation	(MCLG)	MAJOR SOURCES IN DRINKING WATER
Total Coliform Bacteria /100ml	Highest number of positives in any month 0	0	0	Naturally present in the environment
Fecal Coliform and E.coli/100ml	Total number of positives in the year 0	0	0	Human and animal fecal waste

LEAD AND COPPER RULE

CITY OF DEL MAR - SAMPLES TAKEN AT THE TAP OF 20 DIFFERENT SAMPLE SITES + 2 extra independent sample at 'The Winston School' (all in JUNE 2021)

LEAD AND COPPER STUDY	UNITS	ACTION LEVEL	PHG	DDW DLR	90th PERCENTILE CONCENTRATION	Exceeding AL	MAJOR SOURCES IN DRINKING WATER
Copper	ppm	1.300	0.3	0.05	0.569	2	Internal corrosion of household plumbing systems
Lead	ppb	15	0.2	5	3.97	0	Internal corrosion of household plumbing systems

Note: Monitoring mandated every three years. City of Del Mar most recent monitoring conducted in June 2021, from 20 water service connections (home addresses).
Two (2) extra Lead and Copper test performed at the only school ('The Winston School') at 215 9th Street in the City of Del Mar. Results were also below Action Level (A.L.)

TABLE 2 -- DETECTED REGULATED CCR PARAMETERS WITH SECONDARY MCLs (AESTHETICS STANDARDS)

	UNITS	CA SMCL	CSD MDL (DLR)	MIRAMAR TREATMENT PLANT EFFLUENT CONCENTRATION		
				AVERAGE	RANGE	MAJOR SOURCES IN DRINKING WATER
Aluminum	ppm	200	0.05	ND	ND - ND	Erosion of natural deposits; residue from some surface water treatment
Chloride	ppm	500	0.5	104	82.0 - 132	Runoff/leaching from natural deposits; seawater influence
Color	CU	15	1	ND	ND - 1	Naturally occurring organic materials
Odor - Threshold	OU	3	1	ND	ND - 1	Naturally occurring organic materials
Specific Conductance	µS/cm	1600	N/A	817	672 - 967	Substances that form ions when in water; seawater influence
Sulfate	ppm	500	0.5	184	122 - 240	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids	ppm	1000	(10)	529	392 - 641	Runoff/leaching from natural deposits

Este informe contiene información muy importante sobre la calidad de su agua de beber.
Favor de comunicarse City of Del Mar – Public Works, a (858) 755-3294, para asistirlo en español.

ENVIRONMENTAL MONITORING AND TECHNICAL SERVICES - CONSUMER CONFIDENCE REPORT DATA - 2023

TABLE 2 -- DETECTED REGULATED CCR PARAMETERS WITH SECONDARY MCLs (AESTHETICS STANDARDS) continued

Distribution System Results (Secondary M		SMCL	(MCLG)	CSD	CITY OF DEL MAR - DISTRIBUTION SYSTEM AVERAGE		
	UNITS	[MRDL]	[MRDLG]	MDL/(DLR)	AVERAGE	RANGE**	MAJOR SOURCES IN DRINKING WATER
Color, Visual	CU	15	----	1	0.56	ND - 1	Naturally occuring organic materials.
Odor	OU (Ton)	3	----	(1)	ND	ND - 1	Naturally occuring organic materials.
Turbidity	NTU	5	----	0.1	0.11	0 - 0.20	Soil runoff

TABLE 3 -- DETECTED UNREGULATED CCR PARAMETERS REQUIRING MONITORING

	UNITS	NOTIFICATION LEVEL		DDW DLR (PHG)	MIRAMAR TREATMENT PLANT EFFLUENT CONCENTRATION AVERAGE	RANGE	MAJOR SOURCES IN DRINKING WATER
Boron	ppm	1		0.1	0.1	0.1 - 0.1	--
N-Nitrosodimethylamine (NDMA)	ppt	10		(3)	N/A	N/A	
Chromium, hexavalent (CrVI)	ppb	-		(0.02)*	0.06	Single Sample	--

* The DLR of 1 ppb and the MCL of 10 ppb for Chromium VI were repealed in 2017. The value listed here is the PHG for Chromium VI.

TABLE 4 – DETECTED DISINFECTION BY-PRODUCTS, DISINFECTANT RESIDUAL AND DISINFECTION BY-PRODUCT PRECURSORS

Treatment Plant Effluent		MCL		DDW	MIRAMAR TREATMENT PLANT EFFLUENT CONCENTRATION		
	UNITS	[MRDL]	PHG	DLR	AVERAGE	RANGE	MAJOR SOURCES IN DRINKING WATER
Bromate*	ppb	10	0.1	5.0/1.0	ND	ND - ND	By-product of drinking water disinfection
Chlorate	ppb	NL=800 PPB		20	N/A	N/A	By-product of drinking water disinfection
Chlorite	ppm	1	0.05	0.02	N/A	N/A	By-product of drinking water disinfection
Total Organic Carbon [TOC]*	ppm	TT	N/A	0.3	2.5	2.2 - 3.3	Various natural and manmade sources

*TOC is a precursor for the formation of disinfection byproducts

Distribution System Results		MCL	PHG	CSD	CITY OF DEL MAR - DISTRIBUTION SYSTEM AVERAGE		
	UNITS	[MRDL]	[MRDLG]	DLR	AVERAGE	RANGE**	MAJOR SOURCES IN DRINKING WATER
Disinfectant Residual [Chloramines as Cl2]	ppm	[4.0]^	[4]	0.1	1.83	.25 - 2.82	Drinking water disinfectant added for treatment
Haloacetic Acids [HAA5]	ppb	60*	N/A	----	Max LRAA = 9	3.8 - 10.7	By-product of drinking water disinfection
Total Trihalomethanes [TTHMs]	ppb	80*	N/A	----	Max LRAA = 27	15.6 – 32.3	By-product of drinking water chlorination

NOTES: * Total Trihalomethane and HAA5 compliance is based on quarterly Locational Running Annual Average (LRAA)

** Ranges and average are based upon individual 2021-Q4 and 2023 sample results. ^Compliance is determined by Distribution System Running Annual Average.

TABLE 5 – ADDITIONAL CONSTITUENTS - SODIUM, TOTAL HARDNESS, AND TURBIDITY

	UNITS	MCL	PHG (MCLG)	CSD MDL	MIRAMAR TREATMENT PLANT EFFLUENT CONCENTRATION AVERAGE	RANGE	MAJOR SOURCES IN DRINKING WATER
Sodium	ppm	N/A	N/A	20	85.2	64.7 - 107	Naturally present in the environment
Total Hardness	ppm	N/A	N/A	10	232	175 - 295	Naturally present in the environment
Total Hardness	gr/Gal	N/A	N/A	0.6	13.6	10.2 - 17.2	Naturally present in the environment
Alkalinity - Total as CaCO3	ppm	N/A	N/A	20	109	91.3 - 130	
pH	pH	N/A	N/A	N/A	8.16	7.57 - 8.54	
Turbidity	NTU	TT= 1 NTU	N/A	---	Max. Level found = 0.07 NTU		Soil runoff
Turbidity	NTU	TT=95% of samples ≤ 0.3 NTU	N/A	---	100% of samples ≤ 0.3 NTU		Soil runoff

TABLE 6 – DETECTED UNREGULATED PARAMETERS REQUIRING MONITORING

UCMR5 PARAMETERS[1]	UNITS		UCMR4 MRL		MIRAMAR TREATMENT PLANT EFFLUENT CONCENTRATION AVERAGE	RANGE	MAJOR SOURCES IN DRINKING WATER
Lithium	ppb	----	9	----	49.5	33.0 - 65.0	

[1]Note: UCMR5 City of San Diego samples were collected in 2023.

SOURCE WATER ASSESSMENT:

(1) 2020 Watershed Sanitary Survey containing information about the City of San Diego's source water was completed March 1, 2021, and is available at: https://www.sandiego.gov/public-utilities/water-quality/watersheds/sanitary-survey (as: https://www.sandiego.gov/sites/default/files/2020_wss_final.pdf)

The source water is vulnerable to potential sources of contamination, such as stormwater runoff, Sanitary Sewer Overflows (SSOs), (leaking) underground storage tanks.

More specific information can be found in the City of San Diego 2020 Watershed Sanitary Survey, in: https://www.sandiego.gov/sites/default/files/2020_wss_final.pdf
Chapter 4 - Potential Contaminant Sources within the Local Source Water System (pages 67-93)

Additional tables and information about the water quality can also viewed via https://www.sandiego.gov/public-utilities/water-quality/water-quality-reports

Viewing the Meeting and Access to Agenda Materials: Members of the public can watch the meeting live on the City's website at: http://delmar.12milesout.com/Video/Live and on Spectrum TV Ch. 24 (AT&T Ch. 99) starting at 4:30 PM. Agenda materials and communications from the public on agenda items, "Red Dots", are available on City's website at: http://www.delmar.ca.us/AgendaCenter

City of Del Mar - Public Works Department
2240 Jimmy Durante Boulevard, Del Mar, CA 92014
T: (858) 755-3294 | F: (858) 481-0254 | E: PublicWorks@delmar.ca.us

Streets · Landscape · Water · Stormdrains · Wastewater · Signs · Facilities · Parks

We, the Experienced Professional Staff of the Public Works Department take ownership of the Operation and Maintenance of the City of Del Mar's Infrastructure.

With our Customer's needs in mind We deliver this 24/7 service in a Prompt, Courteous and Efficient Manner.

This report is also available online at City's website at: http://www.delmar.ca.us/ccr2023

Este informe contiene información muy importante sobre la calidad de su agua de beber.
Favor de comunicarse City of Del Mar – Public Works, a (858) 755-3294, para asistirlo en español.