



City of Del Mar



State Water Resources Control Board – Division of Drinking Water
Attn: Mr. Sean Sterchi, P.E., District Engineer
District 14 - San Diego
1350 Front Street, Room 2050
San Diego, CA 92101

August 19, 2016

Re: Consumer Confidence Report (CCR) CY2015 – Delivery Certification Form

Dear Mr. Sterchi,

Enclosed please find copy of the completed Delivery Certification Form for the Water Quality Report (Consumer Confidence Report CY2015), the SWRCB-DDW initial email invitation of Tue 2/16/2016 4:59 PM, to prepare the CCR2015, and email of Wed 5/4/2016 4:09 PM, with permission to publish after your Staff's review, and DRINC portal upload acknowledgment of 6/21/2015, (Attachment A), and a printed copy of CCR2015 (Attachment B). During two bimonthly water billing cycles of May and June 2016, we added a message to the Utility Service bill, as shown in the model water bill and 'bill stuffer' (Attachment C), to inform the City's potable water customers that the electronic version of the CCR2015 is available online via City's website from July 1, 2016. It was also uploaded to the DRINC portal on 6/21/2016, the URL is: <http://drinc.ca.gov/EAR/CCR/CCR2015CA3710004.pdf>. Nineteen residents who responded to the message in their water bill were sent a hard copy of the CCR2015. The list with names and addresses of the residents can be found in Attachment D, for your information, please.

If you have any questions, please give me a call at (858) 755-3294.

Sincerely,

Eric Minicilli
Public Works Director

Encl.: CCR2015 Delivery Certification Form.

- Attachment A: Emails from SWRCB-DDW to Create, Review, and Publish CCR2015.
- Attachment B: City of Del Mar CY2015 Consumer Confidence Report.
- Attachment C: Copy of model water bill with statement of availability of CCR2015 online, or on request via US-mail, and with example of bill stuffer.
- Attachment D: CCR Distribution list with Residents' names and addresses.



**Consumer Confidence Report
Certification Form**
(To be submitted with a copy of the CCR)

Water System Name: City of Del Mar

Water System Number: 3710004-001

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 6/21/2016 (date) 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: Eric Minicilli
Signature: 
Title: Public Works Director
Phone Number: (858) 755-3294 Date: June 21, 2016

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). [As defined in email from Alan Tell from Tue 2/16/2016 4:59 PM, and from Candida.Granillo@Waterboards.ca.gov in email from Wed 5/4/2016 4:09 PM and from SWRCB website: http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml](#)
- 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.delmar.ca.us/ccr2015
 - Mailing the CCR to postal patrons within the service area (attach zip codes used): 92014
 - 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) City Hall, Finance Department.
 - 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): Mail hard copy of CCR2015 to Residents/water consumers upon their request, this announced via Water Utility Bill to all customers.

- For systems serving at least 100,000 persons: Posted CCR on a publicly-accessible internet site at the following URL: www.delmar.ca.us/ccr2015
- 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.delmar.ca.us/ccr2015
- 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 2016, in their bimonthly water bill, the City of Del Mar Potable Water \(Distribution\) System, included a notice and a bill stuffer to every resident/customer that the CCR2015 is online starting July 1, 2016, from City's website at URL: \[www.delmar.ca.us/ccr2015\]\(http://www.delmar.ca.us/ccr2015\).](#)

[Consumers were informed that by checking the check box and returning the notice with their payment, \(see copy of water bill in attachment C\), or by calling the Public Works Office at \(858\) 755-3294, that a Copy of the CCR2015 will be mailed to their residency address. Currently thirteen \(13\) hard copies have been mailed to Residents of Del Mar, eleven \(11\) on 7/1/16, one \(1\) on 7/20/16, and one \(1\) on 8/10/16.](#)

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

Victor Sturm

From: Tell, Alan@Waterboards <Alan.Tell@waterboards.ca.gov>
Sent: Tuesday, February 16, 2016 4:59 PM
To: fmiramontes@ucdavis.edu; rogermuren@att.net; ...
Eric Minicilli (eminicilli@delmar.ca.us); Victor Sturm (vsturm@delmar.ca.us);...
Miles (Terry)@CDCR; watertech1230@gmail.com; Burger, Tom
(TBurger@sandiego.gov)

Cc: Sterchi, Sean@Waterboards; DiBiase, William@Waterboards; Granillo,
Candida@Waterboards; Jones, Ashley@Waterboards; Ertas, Tuba@Waterboards;
Ketcham, Scott@Waterboards

Subject: 2015 Consumer Confidence Report Due July 1st

Attachments: 2016 Consumer Confidence Report Information.pdf; 1CCR_GM_20160115.doc;
2CCR_Translations_20160115.doc; 3CCR_SWSRptForm_20160115.doc;
4CCR_SWSInstructions_20160115.doc; 5CCR_SWSAtt1to6_20160115.doc;
6CCR_SWSAtt7_CertForm_20160115.doc; 7CCR_eCCRGuidance_20160115.docx;
8CCR_eCCRDeliveryMethodExamples_20160115.docx; 9CCR_eCCRDeliveryCertForm_
20160115.doc; 10CCR_DDWHostingWCCRs_2016.doc

All Community and Nontransient-noncommunity Water Systems:

Please find attached information for the Consumer Confidence Report for the 2015 calendar year due July 1st, 2016. All forms and additional information are available at the SWRCB CCR webpage at http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml.

Please contact me with any questions on preparing your report.

Thanks,

Alan Tell
SWRCB Sanitary Engineer
Division of Drinking Water
619-645-2573

Victor Sturm

From: Granillo, Candida@Waterboards <Candida.Granillo@Waterboards.ca.gov>
Sent: Wednesday, May 04, 2016 4:09 PM
To: Victor Sturm
Cc: Eric Minicilli; Tell, Alan@Waterboards
Subject: RE: UPDATED 5/4/2016 --> RE: For your review Del Mar CCR2015...
Attachments: 7CCR_eCCRGuidance_20160115.docx

Thank you Victor – you are ready to publish. Just make sure that the electronic delivery meets the requirements for direct delivery. I've attached the guidance, again please let us know if there are any questions.

Best,
Candida

From: Victor Sturm [mailto:VSturm@delmar.ca.us]
Sent: Wednesday, May 04, 2016 3:36 PM
To: Granillo, Candida@Waterboards
Cc: Eric Minicilli; Tell, Alan@Waterboards
Subject: UPDATED 5/4/2016 --> RE: For your review Del Mar CCR2015...

This time... 😊

From: Victor Sturm
Sent: Wednesday, May 04, 2016 3:27 PM
To: 'Granillo, Candida@Waterboards'
Cc: Eric Minicilli; Tell, Alan@Waterboards
Subject: UPDATED 5/4/2016 --> RE: For your review Del Mar CCR2015...

Hi Candida, and Alan,

Enclosed please find the City of Del Mar updated CCR2015 with the items that you list in review further here below. Thank you for letting us know if we are ready to go to publication via City's website and upload to the DRINC portal, and with hard copies available upon request from the water customers of the City of Del Mar.

Regards,

Victor Sturm
Project Assistant
City of Del Mar
Public Works Department
T: (858) 755-3294
F: (858) 481-0254
E: vsturm@delmar.ca.us



From: Granillo, Candida@Waterboards [<mailto:Candida.Granillo@Waterboards.ca.gov>]
Sent: Wednesday, May 04, 2016 1:17 PM
To: Victor Sturm
Cc: Eric Minicilli; Tell, Alan@Waterboards
Subject: RE: For your review Del Mar CCR2015...

Hi Victor,

I modified what was on the City of SD's CCR slightly:

A Watershed Sanitary Survey containing information about the City of San Diego's source water was completed in 2010 and is available at:
www.sandiego.gov/water/quality/environment/sanitarysurvey.shtml

Feel free to paraphrase & put this statement where it makes the most sense to you – I'd recommend either the 'where does my water come from' paragraph or the bottom of the last page with the other link to the city of SD water quality info.

Thanks,
Candida

From: Granillo, Candida@Waterboards
Sent: Wednesday, May 04, 2016 12:31 PM
To: 'Victor Sturm'
Cc: Eric Minicilli; Tell, Alan@Waterboards
Subject: RE: For your review Del Mar CCR2015...

Hi Victor,

We reviewed your CCR and have a few minor comments:

Table 1 - Barium- range should be 0.12-0.13

Table 3 – Replace 'CDPH DLR' with 'DDW DLR'

Page 1 – provide source water assessment information (completion date (or when last updated), availability and how to obtain it, and vulnerability assessment)

Page 1 – last paragraph states that 1 site exceed the copper AL, but the table says 0 – please determine which is correct.

Page 2 – MCLG definition should say MCLGs are set by the U.S. EPA not 'MCLs are set by the U.S. EPA'

Thank you, please send us a revised CCR & let us know if you have any questions!

Best,

Candida Granillo

Engineering Assistant
State Water Resources Control Board – Division of Drinking Water
Field Operations Branch, San Diego District
1350 Front Street, Room 2050, San Diego CA 92101
Phone: (619) 525-4042
Fax: (619) 525-4383

From: Victor Sturm [<mailto:VSturm@delmar.ca.us>]
Sent: Friday, April 29, 2016 3:33 PM
To: Tell, Alan@Waterboards
Cc: Eric Minicilli
Subject: For your review Del Mar CCR2015...

Hi Alan,

'Shortly' can mean a week and a day...
Enclosed please find copy of City of Del Mar CCR2015 for your review.
Call us if you have any questions, please.

Regards,

Victor Sturm
Project Assistant
City of Del Mar
Public Works Department
T: (858) 755-3294
F: (858) 481-0254
E: vsturm@delmar.ca.us



From: Victor Sturm
Sent: Thursday, April 21, 2016 11:31 AM
To: 'Tell, Alan@Waterboards'
Cc: Eric Minicilli
Subject: RE: Del Mar CCR2015...

Hi Alan,

I was just thinking of you, because we are preparing the CCR2015, based on our own data and some data from the City of San Diego because we are a subsystem of theirs for Treatment and Transportation of potable water to our systems. Yes, that was a test run, or actually an attempt to view CCR2014 via the Drinc Portal, to determine/guess what the URL was/is going to be for CCR2015, because they are similar (except for the year reference), I think we mention the URL in our newsletter and CCR...

We'll forward the model/draft CCR2015 (with listing of chemicals, microbiological information, parameters, etc.) to you shortly, for your review, thank you.

Regards,

Victor Sturm
Project Assistant
City of Del Mar
Public Works Department
T: (858) 755-3294
F: (858) 481-0254
E: vsturm@delmar.ca.us



From: Tell, Alan@Waterboards [<mailto:Alan.Tell@waterboards.ca.gov>]
Sent: Thursday, April 21, 2016 11:17 AM
To: Victor Sturm
Subject: Del Mar CCR

Hi Victor,

I saw that back in February you may have tried to upload your CCR to the drinking water portal? Or maybe that was a practice run? The portal shows that the upload was unsuccessful. Just a reminder to send in a draft for review before uploading.

Thanks,

Alan Tell
SWRCB Sanitary Engineer
Division of Drinking Water
619-645-2573

Victor Sturm

From: Dwpdist14@waterboards.ca.gov
Sent: Tuesday, June 21, 2016 1:47 PM
To: Victor Sturm
Subject: CCR Upload Acknowledgement

Hello Victor Sturm

Thank you for uploading the following CCR via the EAR Site:

<http://drinc.ca.gov/EAR/CCR/CCR2015CA3710004.pdf>

CA3710004

DEL MAR, CITY OF

Victor Sturm

6/21/2016

DRINC Portal Administrator

drinc@waterboards.ca.gov

Victor Sturm

From: Emily Bernardo
Sent: Tuesday, June 21, 2016 3:29 PM
To: Victor Sturm; Help Desk
Cc: Eric Minicilli; 'Tell, Alan@Waterboards'; rachel.romero@waterboards.ca.gov
Subject: RE: Request to upload City of Del Mar Water Quality Report CCR2015 (Consumer Confidence Report for CY2015), to City's website at: <http://www.delmar.ca.us/ccr2015>, thank you...

Hi Victor – the link is available now. <http://www.delmar.ca.us/CCR2015>

Thanks,

Emily Bernardo
IT Manager
City of Del Mar
858-704-3638

Please note that as of June 6, 2016, City Hall has temporarily moved to 2010 Jimmy Durante Blvd, Suite 120 during construction of 1050 Camino del Mar. Mailing address, phones and email remain the same.

From: Victor Sturm
Sent: Tuesday, June 21, 2016 1:44 PM
To: Help Desk
Cc: Eric Minicilli; 'Tell, Alan@Waterboards'; rachel.romero@waterboards.ca.gov
Subject: Request to upload City of Del Mar Water Quality Report CCR2015 (Consumer Confidence Report for CY2015), to City's website at: <http://www.delmar.ca.us/ccr2015>, thank you...

Hi Emily or Chris,

Could you upload the attached CCR2015.PDF to City's website, please, put in a location where it can be called from directly...

As in previous years (CCR2014, CCR2013, CCR2012, and they are still available also) the new CCR2015 should be hyperlinked from <http://www.delmar.ca.us/CCR2015>, thank you.

Regards,

Victor Sturm
Project Assistant
City of Del Mar
Public Works Department
T: (858) 755-3294
F: (858) 481-0254
E: vsturm@delmar.ca.us



VICTOR STURM
PROJECT ASSISTANT

CITY OF DEL MAR
1050 CAMINO DEL MAR
DEL MAR, CA 92014-2098

PHONE (858) 755-3294
FAX (858) 481-0254
EMAIL: vsturm@delmar.ca.us

City of Del Mar - 2015 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 in 2015. 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, which purchases water from multiple sources⁽¹⁾, including the Metropolitan Water District of Southern California. 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 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. Environmental Protection Agency (USEPA) and the State Water Resources Control Board – Division of Drinking Water (SWRCB-DDW) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

In 2015, as in past years, your tap water not only met, but exceeded all U.S. Environment Protection Agency (USEPA) and State drinking water health standards.

Este informe contiene información muy importante sobre la calidad de su agua de beber.

Tradúzcalo ó hable con alguien que lo entienda bien.

This report is also available online at City's website at: <http://www.delmar.ca.us/ccr2015>

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 can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (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 (1-800-426-4791). During calendar year 2015, 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

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. The 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. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at epa.gov/safewater/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 2015, 22 customers provided samples from their taps to the City of Del Mar for Lead and Copper analysis. The results of these tests are presented here. Only one of the 22 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. Lead and Copper Rule monitoring must be conducted every three years - our next study will be conducted in 2018.

City of Del Mar - 2015 Annual Drinking Water Quality Report

ENVIRONMENTAL MONITORING AND TECHNICAL SERVICES - CONSUMER CONFIDENCE REPORT DATA - 2015

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 U.S. Environmental Protection Agency's (USEPA) Safe Drinking Water Hotline at 800-426-4791. For a list of action levels, visit the web site of the State Water Resources Control Board - Division of Drinking Water (SWRCB-DDW): <http://www.waterboards.ca.gov>

Definition of Terms

Action Level (AL): The concentration of a contaminant that, 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 2014.

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 level of a disinfectant added for water treatment that may not be exceeded at the consumer's tap.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a disinfectant added for water treatment below which there is no known or expected health risk. MRDLGs are set by the U.S. EPA.

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 requirements.

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 quantifiable 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 (less than DLR, where applicable)
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) – [1 ppb = 0.001 ppm]
ppm: Parts per million or milligrams per liter (mg/L) – [1 ppm = 1,000 ppb]
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

How to Read the Tables

The tables below list contaminants which 1) SWRCB-DDW requires the City to monitor, and 2) SWRCB regulates with associated primary [health] or secondary [aesthetic], or no established standards. During 2015, these contaminants were detected at or above the SWRCB's Detection Limits for Purposes of Reporting during the reporting year.

These tables summarize monitoring from 2015, with exceptions (see table footnotes). SWRCB mandates monitoring radioactive contaminants every three years. The lead and copper testing was conducted in 2015, and is monitored every three years. The levels of these contaminants are not expected to vary significantly from year to year.

TABLE 1 – DETECTED REGULATED CCR CONTAMINANTS WITH PRIMARY MCLs

CHEMICAL PARAMETERS	UNITS	MCL	PHG	DDW DLR	CITY OF SAN DIEGO - MIRAMAR TREATMENT PLANT		
					AVERAGE	RANGE	MAJOR SOURCES IN DRINKING WATER
					Fluoride (naturally occurring)	ppm	2
Fluoride (treatment-related)	ppm	2	1	0.1	0.6	0.4 - 0.8	Water additive that promotes strong teeth
Barium	ppm	1	2	0.1	0.12	0.12 - 0.13	Erosion of natural deposits

Note: Optimal Fluoride Level as established by US Dept. of Health and Human Services and California Waterboards Division of Drinking Water 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
Gross Beta Particle Activity	pCi/L	50*	(0)	4	ND	N/A	Decay of natural and manmade deposits
Uranium	pCi/L	20	0.43	1	2.4^	N/A	Erosion of natural deposits

* DDW considers 50 pCi/L to be the level of concern for beta particles.

^Monitoring required every three years. Most recent monitoring 2014.

CITY OF DEL MAR - DISTRIBUTION SYSTEM AVERAGE

MICROBIOLOGICAL UNITS	Systems that collect <40 samples/month MCL <5%, and	No. of Months in Violation	PHG	MAJOR SOURCES IN DRINKING WATER
			(MCLG)	
Total Coliform Bacteria /100ml	No more than 1 positive monthly sample	0	(0)	Naturally present in the environment
Fecal Coliform and <i>E. coli</i> /100ml	A routine sample and a repeat sample are Total Coliform positive, and one of these is also Fecal Coliform or <i>E. coli</i> positive.	0	(0)	Human and animal fecal waste

City of Del Mar performed 72 water quality tests during CY2015. Zero samples were found positive for Coliform, the Distribution average was therefore 0/72, or 0% (<5% MCL).

LEAD AND COPPER RULE

CITY OF DEL MAR - SAMPLES TAKEN AT THE TAP OF 22 DIFFERENT SAMPLE SITES (JUNE 2015)

LEAD AND COPPER STUDY	UNITS	ACTION LEVEL	PHG	DDW DLR	90th PERCENTILE CONCENTRATION	Exceeding AL	MAJOR SOURCES IN DRINKING WATER
Lead	ppb	15	0.2	5	<0.2	0	Internal corrosion of household plumbing systems

Note: Monitoring mandated every three years. City of Del Mar most recently monitoring conducted in June 2015.

TABLE 2 -- DETECTED REGULATED CCR PARAMETERS WITH SECONDARY MCLs

	UNITS	CA SMCL	CSD MDL (DLR)	MIRAMAR TREATMENT PLANT EFFLUENT CONCENTRATION		
				AVERAGE	RANGE	MAJOR SOURCES IN DRINKING WATER
				Chloride	ppm	500
Color	CU	15	1	ND	ND - ND	Naturally occurring organic materials
Odor - Threshold	OU	3	(1)	ND	ND - 1	Naturally occurring organic materials
Specific Conductance	µS/cm	1600	N/A	985	744 - 1150	Substances that form ions when in water; seawater influence
Sulfate	ppm	500	(0.5)	232	198 - 264	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids	ppm	1000	10	618	560 - 651	Runoff/leaching from natural deposits

This report is also available online at City's website at: <http://www.delmar.ca.us/ccr2015>

Este informe contiene información muy importante sobre la calidad de su agua de beber.
 Tradúzcalo ó hable con alguien que lo entienda bien.

City of Del Mar - 2015 Annual Drinking Water Quality Report

ENVIRONMENTAL MONITORING AND TECHNICAL SERVICES - CONSUMER CONFIDENCE REPORT DATA - 2015

TABLE 3 -- DETECTED UNREGULATED CCR PARAMETERS REQUIRING MONITORING

	UNITS	NOTIFICATION LEVEL	DDW DLR	MIRAMAR TREATMENT PLANT EFFLUENT CONCENTRATION		
				AVERAGE	RANGE	MAJOR SOURCES IN DRINKING WATER
Boron	ppm	1	0.1	0.14	0.13 - 0.15	

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

Treatment Plant Effluent	UNITS	MCL [MRDL]	(MCLG) [MRDLG]	DDW DLR	MIRAMAR TREATMENT PLANT EFFLUENT CONCENTRATION		
					AVERAGE	RANGE	MAJOR SOURCES IN DRINKING WATER
Bromate*	ppb	10	0.1	5 / 1**	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	2.4	2.1 - 3.0	Various natural and manmade sources

*Required for Miramar Water Treatment plant ** City of San Diego DLR = 5

Distribution System Results (Secondary MCL)	UNITS	SMCL [MRDL]	(MCLG) [MRDLG]	DDW DLR	CITY OF DEL MAR - DISTRIBUTION SYSTEM AVERAGE		
					AVERAGE	RANGE**	MAJOR SOURCES IN DRINKING WATER
Color, Visual	Color Units	15	----	3	2	ND - 5	Naturally occurring organic materials.
Odor	OU (Ton)	3	----	1	1.1	ND - 2	Naturally occurring organic materials.
Turbidity	NTU	1	----	0.1	≤0.77	ND - 1.0	Soil runoff

Distribution System Results	UNITS	MCL [MRDL]	MCLG [MRDLG]	DDW DLR	CITY OF DEL MAR - DISTRIBUTION SYSTEM AVERAGE		
					AVERAGE	RANGE**	MAJOR SOURCES IN DRINKING WATER
Disinfectant Residual [Chloramines as Cl2]	ppm	[4]^	[4]	----	1.6	0.2 – 2.7	Drinking water disinfectant added for treatment
HaloAcetic Acids [HAA5]	ppb	60*	N/A	----	Max LRAA = 13	8.8 – 14.0	By-product of drinking water disinfection
Total TriHaloMethanes [TTHMs]	ppb	80*	N/A	----	Max LRAA = 42	19.4 – 42.1	By-product of drinking water chlorination

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

** Ranges and average are based upon individual 2015 sample results.

^Compliance is determined by Distribution System Average.

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	93.8	85.2 - 102	Naturally present in the environment
Total Hardness	ppm	N/A	N/A	10	292	271 - 324	Naturally present in the environment
Total Hardness	gr/Gal	N/A	N/A	0.6	17	15.8 - 18.9	Naturally present in the environment
Alkalinity - Total as CaCO3	ppm	N/A	N/A	10	126	118 - 155	
pH	pH	N/A	N/A	N/A	8.1	7.09 - 8.69	
Ammonia as Nitrogen	ppm	N/A	N/A	0.03	0.77	0.35 - 1.54	
Turbidity	NTU	TT= 1 NTU	N/A	---	Max. Level found = 0.09 NTU		Soil runoff
Turbidity	NTU	TT=95% of samples ≤ 0.3 NTU	N/A	---	100% of samples ≤ 0.3 NTU		Soil runoff

DETECTED UNREGULATED PARAMETERS REQUIRING MONITORING

UCMR3 PARAMETERS	UNITS	MCL	UCMR3 MRL	CSD MDL	MIRAMAR TREATMENT PLANT EFFLUENT CONCENTRATION		
					AVERAGE	RANGE	MAJOR SOURCES IN DRINKING WATER
Bromochloromethane	ppb	----	0.06	----	ND	ND - ND	Fire extinguishers; pesticide solvent
Chlorodifluoromethane (HCFC-22)	ppb	----	0.08	----	ND	ND - ND	Refrigerant
Chlorate	ppb	----	20	----	ND	ND - 25	By-product of drinking water disinfection
Chromium-6	ppb	----	0.03	----	0.16	0.03 - 0.36	Naturally occurring metal; steel; chrome plating
Molybdenum	ppb	----	1	----	3.9	3.4 - 4.2	Naturally occurring element; in ores and plants
Strontium	ppb	----	0.3	----	843	750 - 920	Naturally occurring element
Vanadium	ppb	----	0.2	----	ND	ND - 0.26	Naturally occurring metal; used as a catalyst

Note: UCMR3 (Third Unregulated Contaminant Monitoring Rule) Public water systems (PWSs) subject to Assessment Monitoring will sample within a 12-month period during 2013 - 2015. City of San Diego samples were collected in 2013 and 2014.

(1) A Watershed Sanitary Survey containing information about the City of San Diego's source water was completed in 2010 and is available at: www.sandiego.gov/water/quality/environment/sanitarysurvey.shtml

Additional tables and information about the water quality can also viewed via <http://www.sandiego.gov/water/quality/reports>

The public is invited to discuss water quality related items during the regularly scheduled City Council Meetings, held the first and third Mondays of the month from 6 p.m. at City Hall - Communications Center, 240 Tenth Street, Del Mar, CA 92014. Council meetings are occasionally held on the second Mondays and/or special meetings called.



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

This report is also available online at City's website at: <http://www.delmar.ca.us/ccr2015>



Este informe contiene información muy importante sobre la calidad de su agua de beber.
Tradúzcalo ó hable con alguien que lo entienda bien.



CITY OF DEL MAR

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

ATTACHMENT C-1

UTILITY SERVICE

Account Number
01-0060-01

Service Address
1734 COAST BLVD

Past Due After
07/05/2016

Balance Due
413.48

**3343 TYLER AVE
EL MONTE, CA 91731**



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

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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
01-0060-01	Duplex	5/8 "	4/1/2016	5/31/2016	06/09/2016	07/05/2016
Service Location			Prior Reading	Current Reading	Usage	Billing Days
1734 COAST BLVD			1345	1363	18	61
Date	Type of Service / Rate					Amount

04/06/16	Previous Balance	392.83
04/20/16	Payment - thank you	-392.83 CR
Balance Forward:		0.00

Current Charges

Water Usage	Tier I	16 Units @	3.42	54.72	63.02
	Tier II	2 Units @	4.15	8.30	
Water Base					53.08
Trash					78.28
Sewer Usage(Winter Avg: 0)		16.20000 Units @	6.22	100.76	100.76
Sewer Base					87.92
Clean Water					30.42

Current Charges: 413.48
Total Amount Due: 413.48

Please note: As of June 6, 2016, City Hall has temporarily moved to 2010 Jimmy Durante Blvd, Suite 120 during construction of 1050 Camino Del Mar. Mailing address will remain 1050 Camino Del Mar, Del Mar, CA 92014. Phones and email remain the same.

Save Time and Money...Pay Online: www.delmar.ca.us/billpay or by phone: Dial 858-755-9354, Option 1 - 24 hours a day/7 days a week.

Starting July 1, 2016, the City of Del Mar Water Consumer Confidence Report (CCR) will be available online at <http://www.delmar.ca.us/ccr2015>. This report contains important information about the source and quality of your drinking water. If you prefer a paper report delivered to your home, please check the box on the payment slip and mail it back to us or call (858) 755-3294.

1 UNIT = 748 GALLONS

AMOUNT PAID TO OTHER AGENCIES		
	Water	Sewer
City of San Diego	11.61	83.02
SDCWA / MWD	51.78	0.00
Amount Paid to Other Agencies	63.39	83.02

WATER CONSERVATION INFORMATION		
This Year's Gallons/Day	Last Year's Gallons/Day	% Change
220.72	245.25	-10%

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

**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
05-1833-00 **232 9TH ST** **06/06/2016** **368.92**

410 CHESTNUT ST
PACIFIC GROVE, CA 93950-3914



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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
05-1833-00	Sgl Fam Residence	5/8 "	3/1/2016	4/30/2016	05/05/2016	06/06/2016
Service Location			Prior Reading	Current Reading	Usage	Billing Days
232 9TH ST			4438	4456	18	61
Date	Type of Service / Rate					Amount

03/03/16	Previous Balance	368.92
03/18/16	Payment - thank you	-368.92 CR
Balance Forward:		0.00

Current Charges

Water Usage	Tier 1	18 Units @	3.96	71.28	71.28
Water Base					53.08
Trash					39.14
Sewer Usage (Winter CAP: 14)	Cap	14.00000 Units @	6.22	87.08	87.08
Sewer Base					87.92
Clean Water					30.42

Current Charges: 368.92
Total Amount Due: 368.92

Save Time and Money.....Pay Online: www.delmar.ca.us/billpay or by phone: Dial 858-755-9354, Option 1 - 24 hours a day/7 days a week.

National Public Works Week - May 15th - 21st. Join us for our "Open House" at the Public Works Dept - 2240 Jimmy Durante Blvd Thursday, May 19th from 11:30am - 1:00pm. Serving: Fish Tacos & Drinks.

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1 UNIT = 748 GALLONS

AMOUNT PAID TO OTHER AGENCIES		
	Water	Sewer
City of San Diego	12.19	78.75
SDCWA / MWD	53.85	0.00
Amount Paid to Other Agencies	66.04	78.75

WATER CONSERVATION INFORMATION		
This Year's Gallons/Day	Last Year's Gallons/Day	% Change
220.72	269.77	-18%

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

2015 Annual Drinking Water Quality Report

Starting July 1, 2016, the City of Del Mar Consumer Confidence Report (CCR) will be available online at <http://www.delmar.ca.us/ccr2015>. 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 2015 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 2016, 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/ccr2015>. 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 2015, por favor, haga una marca en el encasillado en su recibo de agua y mandé lo por correo. O, puede solicitar la misma comunicándose al número de teléfono (858) 755-3294.

Del Mar Public Works Department

2015 Annual Drinking Water Quality Report

Starting July 1, 2016, the City of Del Mar Consumer Confidence Report (CCR) will be available online at <http://www.delmar.ca.us/ccr2015>. 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 2015 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.

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Del Mar Public Works Department

2015 Annual Drinking Water Quality Report

Starting July 1, 2016, the City of Del Mar Consumer Confidence Report (CCR) will be available online at <http://www.delmar.ca.us/ccr2015>. 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 2015 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.

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Del Mar Public Works Department



CITY OF DEL MAR

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

ATTACHMENT C-3

UTILITY
SERVICE

Account Number
03-4220-08

Service Address
682 HOSKA DR

Past Due After
07/05/2016

Balance Due
AUTO PAY

**DEBORAH LAWSON, PAUL B CLEVELAND
682 HOSKA DR
DEL MAR, CA 92014**



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AUTO PAY

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#	NAME	ADDRESS	CITY, STATE, ZIP	DATE MAILED w/ USPS
1	JOHN WOODWARD III C/O ANNE CASSALOTO	576 CAMINO EL DORADO	ENCINITAS CA 92024	Mailed 7/1/2016
2	SALLY ROSEBERRY	715 CREST RD	DEL MAR CA 92014	Mailed 7/1/2016
3	ERIC YUHL	PO BOX 2667	DEL MAR CA 92014	Mailed 7/1/2016
4	F.N. ZEYTIKNOGLU	1568 LUNETTA	DEL MAR CA 92014	Mailed 7/1/2016
5	ROSALIND LIMBAUGH	410 CHESTNUT ST	PACIFIC GROVE CA 93950-3914	Mailed 7/1/2016
6	JERI LYNNE FLYNN	302 OCEAN VIEW AVE.	DEL MAR CA 92014	Mailed 7/1/2016
7	CHIENCHUNG CHANG	342 PINE NEEDLES	DEL MAR CA 92014	Mailed 7/1/2016
8	LISA WHEATLEY	185 OCEAN VIEW AVE.	DEL MAR CA 92014	Mailed 7/1/2016
9	THOMAS MURCH	506 AMPHITHEATRE	DEL MAR CA 92014	Mailed 7/1/2016
10	DAVID MONAHAN	1309 LUNETTA DR	DEL MAR CA 92014	Mailed 7/1/2016
11	GILBERT MOYER	1234 ORIBIA RD	DEL MAR CA 92014	Mailed 7/1/2016
12	H.C. CARNEY	567 SERPENTINE	DEL MAR CA 92014	Mailed 7/20/2016
13	DEBORAH LAWSON, PAUL B. CLEVELAND	682 HOSKA DR	DEL MAR CA 92014	Mailed 8/10/2016