Consumer Confidence Report
Certification Form

(to certify electronic delivery of the CCR, use the certification form on the State Board's website at http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml)

Water System Name: Del Oro Water Company, Grandview Gardens District

Water System Number: 5400666

The water system named above hereby certifies that its Consumer Confidence Report was distributed by **July 1, 2017** 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.

Certified by:
Name: Cathy Fluharty
Signature: Cathy Fluharty
Title: Corporate Support
Phone Number: (530) 809-3971 Date: **July 1, 2017**

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

☒ CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used: *Notice with direct URL was mailed with customers' bills.*

☒ "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:

- ☒ Posting the CCR on the Internet at www.delorowater.com
- ☐ 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)
- ☐ 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 address: www._____

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

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

2016 Water Quality Consumer Confidence Report
Del Oro Water Company – Grandview Gardens District
Public Water System Number 54-00666

We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2016 and may include earlier monitoring data.

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

Water for the Del Oro Water Co., Grandview Gardens District is produced from ground water, Wells No. 1 and 2. A Drinking Water Source Assessment was completed December 2016. The source is considered most vulnerable to the following activities associated with contaminants detected in the water supply: Nitrates from runoff; leaching from fertilizer use; leaching from septic tanks; sewage; and erosion of natural deposits. This source is considered most vulnerable to the following activities not associated with any detected contaminants:

Automobile – Gas stations, Auto repair	Wells – Agricultural/Irrigation	Chemical/petroleum processing/storage
Transportation Corridors	Septic systems – high density [>1/acre]	Underground storage tanks

For additional information concerning your drinking water, or for a copy of the Drinking Water Source Assessment, contact Community Relations at P.O. Drawer 5172, Chico, CA 95927 1-530-717-2516. You will be notified with your monthly billing of any public meeting concerning your drinking water.

TERMS USED IN THIS REPORT

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 and 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 risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

Public Health Goal (PHG): 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 Environmental Protection Agency.

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 risk to health. MRDLG's are set by the U.S. Environmental Protection Agency.

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

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

Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

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

Variances and Exemptions: Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.

ND: Not detectable at testing limit

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

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

ppt: Parts per trillion or nanograms per liter (ng/L)

ppq: Parts per quadrillion, or picograms per liter

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

MFL: Million fibers per liter

NTU: Nephelometric Turbidity Units

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, agriculture 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*, which 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 byproducts of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, agricultural application, and septic systems.
- *Radioactive contaminants*, which 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, USEPA and the State Water Resources Control Board (State Board) 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.

Tables 1, 2, 3, 4, 5 and 6 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, are more than one year old.

***Any violation of an MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.*

TABLE 1 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA – 2016 – Monthly

Microbiological Contaminants (complete if bacteria detected)	**Highest No. of Detections**	**No. of months in violation**	**MCL**	**MCLG**	**Typical Source of Bacteria**
Total Coliform Bacteria (State Coliform Rule)	0	0	One (1) positive monthly sample	0	Naturally present in the environment
Fecal Coliform or *E. Coli* (State Coliform Rule)	0	0	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or *E. coli* positive	0	Human and animal fecal waste
E. Coli *(from 4/1/2016 – 12/31/2016)* (Federal Revised Total Coliform Rule)	0	0	N/A	0	Human and animal fecal waste

TABLE 2 – SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER – 7/14/2016

Lead and Copper	**Number of samples collected**	**90th percentile level detected**	**Number of sites exceeding AL**	**AL**	**PHG**	**Typical Source of Contaminant**
Lead (ppb)	5	6.85	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits.
Copper (ppm)	5	0.056	0	1.3	0.3	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives.

TABLE 3 – SAMPLING RESULTS FOR SODIUM AND HARDNESS

Chemical or Constituent (and reporting units)	**Sample Date**	**Range of Detection**	**Average Level Detected**	**MCL**	**PHG (MCLG)**	**Typical Source of Contaminant**
Sodium (ppm)	8/15/16	N/A	25.9	None	None	Generally found in ground and surface water
Hardness (ppm)	8/15/16	N/A	268	None	None	Generally found in ground and surface water

TABLE 4 – DETECTION OF CONTAMINANTS WITH A ***PRIMARY*** DRINKING WATER STANDARD

Chemical or Constituent (& reporting units)	**Sample Date**	**Range of Detection**	**Average or Level Detected**	**MCL**	**PHG**	**Typical Source of Contaminant**
Gross Alpha (pCi/L)	8/28/12	N/A	7.46	15	0	Erosion of natural deposits
Uranium (pCi/L)	8/28/12	N/A	5.12	20	0.43	Erosion of natural deposits

TABLE 4 – DETECTION OF CONTAMINANTS WITH A ***PRIMARY*** DRINKING WATER STANDARD - continued						
Chemical or Constituent (& reporting units)	**Sample Date**	**Range of Detection**	**Average or Level Detected**	**MCL**	**PHG**	**Typical Source of Contaminant**
Aluminum (ppm)	8/15/2016	N/A	0.429	1	0.6	Erosion of natural deposits
Nickel (ppb)	8/21/2013	N/A	33	100	12	Erosion of natural deposits: discharge from metal factories
Radium 228 (pCi/L)	8/28/12	N/A	0.017	5	0.019	Erosion of natural deposits
Barium (ppm)	8/21/13	N/A	0.134	1	2	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Nitrate as N *(ppm)	Quarterly	10.2 – 11.6	10.97	10	10	Runoff & leaching from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits

TABLE 5 – DETECTION OF CONTAMINANTS WITH A ***SECONDARY*** DRINKING WATER STANDARD					
Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected**	**MCL**	**PHG**	**Typical Source of Contaminant**
Chloride (ppm)	8/15/2016	43.6	600	N/A	Runoff, leaching from natural deposits; seawater influence
Specific Conductance (micromhos)	8/15/2016	710	1600	N/A	Substances that form ions when in water; seawater influence

TABLE 6 – DISINFECTION BYPRODUCTS, DISINFECTANT RESIDUALS, AND DISINFECTION BYPRODUCT PRECURSORS				
Chemical or Constituent (and reporting units)	**Sample Date**	**Highest Level Detected**	**MCL**	**Typical Source of Contaminant**
TTHMs (Total Trihalomethanes (ppb)	8/17/2016	ND	80	Byproduct of drinking water chlorination
HAA5 (Haloacetic Acids) (ppb)	8/17/2016	ND	60	Byproduct of drinking water chlorination
Chlorine Residual (ppm)	10/2016	0.72	40	Byproduct of drinking water chlorination

* SWRCB-DDW issued compliance order No. 03-12-15R-004 on April 22, 2015 for nitrate levels exceeding the MCL. Since this time Del Oro Water Co. has tested and reported quarterly the results of all nitrate testing. As a result of the compliance order, DOWC has been in on-going discussions with SWRCB-DDW and Luhdorff and Scalmanini Consulting Engineers to determine funding to investigate various options, at the lowest reasonable cost to consumers, to mitigate the drinking water issues and develop plans and specifications to ultimately obtain contractor quotations to effect the remedy to solve those issues. DOWC is waiting for approval of Preliminary Funding Application and CPUC Approval. DOWC continues quarterly monitoring for Nitrate.

NITRATE HEALTH EFFECTS: Infants below the age of six (6) months who drink water containing nitrate in excess of the MCL may quickly become seriously ill and, if untreated, may die because high nitrate levels can interfere with the capacity of the infant's blood to carry oxygen. Symptoms include shortness of breath and blueness of the skin. High nitrate levels may also affect the oxygen-carrying ability of the blood of pregnant women.

Additional General Information on Drinking Water:

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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

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. 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).

Del Oro Water Company would like to inform our customers to the safety of lead and copper testing. While Del Oro Water Company does not use lead pipes in the distribution lines that serve our customers, older homes may have been built using lead pipes or lead connectors. For this reason ***Lead and Copper Tap Monitoring*** by Del Oro Water Company is conducted at designated customer's homes and is an important part of a water utilities monitoring schedule.

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. Del Oro Water Company is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at **http://www.epa.gov/safewater/lead**.

GV Mailing Completed No Later Than: June 14, 2017