ATTACHMENT 7

Consumer Confidence Report
Certification Form

(to be submitted with a copy of the CCR)

(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: Victor Valley Wastewater Reclamation Authority

Water System Number: 3601145

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 06/28/2016 (*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.

Certified by: Name: Logan Olds

Signature: Logan Olds

Title: General Manager

Phone Number: (760) 246-8638 Date: 28 June 2016

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: Hand delivered to American Organics

☐ "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.vvwra.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 – VVWRA Administration and Operation Buildings
- ☐ 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.

2015 Consumer Confidence Report

Water System Name: **Victor Valley Wastewater Reclamation Authority** Report Date: June 27, 2016

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, 2015 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.

Type of water source(s) in use: Groundwater

Name & general location of source(s): Victor Valley Wastewater Reclamation Authority – Wastewater Treatment Plant located at 20111 Shay Road, Victorville, CA 92394.

Drinking Water Source Assessment information: Our water comes from two wells drilled about 160 feet into an underground source of water. These wells are located not further than 50 feet north-west rear of the two story administration building at the wastewater treatment plant. Environmental Health Services of San Bernardino County completed our Source Water Assessment in December of 2002. Based on this assessment, our sources are considered most vulnerable to the following activities not associated with any detected contaminants: Lagoons/liquid wastes and sewer collection systems. A copy of the assessment may be obtained from VVWRA by phone at (760) 246-8638 or a copy of the complete assessment may be viewed at: Environmental Health Services, 385 N Arrowhead Ave., 2nd Floor, San Bernardino, CA 92415-0160.

Time and place of regularly scheduled board meetings for public participation: Third Thursday of each month Board meetings are held at: 14343 Civic Dr. Victorville, CA 92392

For more information, contact: Logan Olds, General Manager Phone: (760) 246-8638

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 highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use

Primary Drinking Water Standards (PDWS): MCLs and 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.

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

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

Variances and Exemptions: State Board 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 (µg/L)

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

ppq: parts per quadrillion or picogram per liter (pg/L)

of disinfectants to control microbial contaminants.

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

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 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, that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater 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 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, 7, and 8 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 do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

TABLE 1 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA

Microbiological Contaminants (complete if bacteria detected)	**Highest No. of Detections**	**No. of months in violation**	**MCL**	**MCLG**	**Typical Source of Bacteria**
Total Coliform Bacteria	(0)	0	More than 1 sample in a month with a detection	0	Naturally present in the environment
Fecal Coliform or *E. coli*	(0)	0	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or *E. coli*	0	Human and animal fecal waste

TABLE 2 – SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER

Lead and Copper (complete if lead or copper detected in the last sample set)	**Sample Date**	**No. of samples collected**	**90th percentile level detected**	**No. sites exceeding AL**	**AL**	**PHG**	**Typical Source of Contaminant**
Lead (ppb)*	**2013**	**5**	**15 (ppb)***	**1**	**15 (ppb)**	**0.2**	**Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits**
Copper (ppm)	2013	5	<0.35 (ppb)	0	1.3 (ppb)	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided later in this report.

Note: Monitoring frequency is once every 3 years, therefore the system will report these same results each CCR year (2013, 2014, and 2015) until the next samples are taken.

TABLE 3 – SAMPLING RESULTS FOR SODIUM AND HARDNESS						
Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected Average**	**Range of Detections**	**MCL**	**PHG (MCLG)**	**Typical Source of Contaminant**
Sodium (ppm)	2015	97 (ppm)	94-100 (ppm)	none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm)	2015	150 (ppm)	150-150 (ppm)	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 4 – DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD						
Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected Average**	**Range of Detections**	**MCL [MRDL]**	**PHG (MCLG) [MRDLG]**	**Typical Source of Contaminant**
Heterotrophic Plate Count bacteria (CFU/mL)	2015	1 (CFU/mL)	ND - 4 (CFU/mL)	TT	N/A	Naturally present in the environment
Gross Alpha Particle Activity (pCi/L)	2015	0.101 (pCi/L)	0.062-0.140 (pCi/L)	15 (pCi/L)	(0) (pCi/L)	Erosion of natural deposits
Aluminum (ppm)	2015	0.130 (ppm)	ND - 0.260 (ppm)	1 (ppm)	0.6 (ppm)	Erosion of natural deposits; residue from some surface water treatment processes
Arsenic (ppb)	2015	4.4 (ppb)	4.3-4.5 (ppb)	10 (ppb)	0.004 (ppb)	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Fluoride (ppm)	2015	0.6 (ppm)	0.6-0.7 (ppm)	2.0 (ppm)	1 (ppm)	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (as Nitrogen) (ppm)*	**2015**	**9.3 (as Nitrogen) (ppm)**	**8.6-11.1* (as Nitrogen) (ppm)**	**10 (as Nitrogen) (ppm)**	**10 (as Nitrogen) (ppm)**	**Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits**

Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 4 (CONTINUED)– DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD						
TTHMs (Total Trihalomethanes) (ppb)	2015	1.76 (ppb)	ND - 3.6 (ppb)	80 (ppb)	N/A	By-product of drinking water disinfection
Haloacetic Acids (ppb)	2015	0.8 (ppb)	ND - 2.4 (ppb)	60 (ppb)	N/A	By-product of drinking water disinfection
Chlorine (ppm)	2015	0.90 (ppm)	ND -2.20 (ppm)	[MRDL = 4.0 (as CL2)] (ppm)	[MRDLG = 4.0 (as CL2)] (ppm)	Drinking water disinfectant added for treatment
Control of DBP precursors (TOC) (ppm)	2015	0.35 (ppm)	0.32-0.38 (ppm)	TT	N/A	Various natural and man-made sources

Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 5 – DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD						
Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected Average**	**Range of Detections**	**MCL**	**PHG (MCLG)**	**Typical Source of Contaminant**
Aluminum (ppb)	2015	130 (ppb)	ND - 260 (ppb)	200	N/A	Erosion of natural deposits; residual from some surface water treatment processes
Iron (ppb)*	**2015**	**250 (ppb)**	**ND - 500 (ppb)**	**300 (ppb)**	**N/A**	**Leaching from natural deposits; industrial wastes**
Manganese (ppb)	2015	21 (ppb)	ND - 42 (ppb)	50 (ppb)	N/A	Leaching from natural deposits
Total Dissolved Solids (TDS) (ppm)	2015	480 (ppm)	480 – 480 (ppm)	1000 (ppm)	N/A	Runoff/leaching from natural deposits
Specific Conductance (uS/cm)	2015	740 (uS/cm)	740 – 740 (uS/cm)	1600 (uS/cm)	N/A	Substances that form ions when in water; seawater influence
Chloride (ppm)	2015	78 (ppm)	77-79 (ppm)	500 (ppm)	N/A	Runoff/leaching from natural deposits; seawater influence
Sulfate (ppm)	2015	46 (ppm)	46 – 46 (ppm)	500 (ppm)	N/A	Runoff/leaching from natural deposits; industrial wastes

Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 6 – DETECTION OF UNREGULATED CONTAMINANTS					
Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected Average**	**Range of Detections**	**Notification Level**	**Health Effects Language**
Boron (ppm)	2015	0.305 (ppm)	0.260– 0.350 (ppm)	1.0 (ppm)	The babies of some pregnant women who drink water containing boron in excess of the notification level may have an increased risk of developmental effects, based on studies in laboratory animals.
Chlorate (ppb)	2015	1850 (ppb)	1800– 1900 (ppb)	800 (ppb)	N/A
Vanadium (ppb)	2013	13 (ppb)	13 – 13 (ppb)	50 (ppb)	The babies of some pregnant women who drink water containing vanadium in excess of the notification level may have an increased risk of developmental effects, based on studies in laboratory animals.

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

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).

Lead-Specific Language for Community Water Systems: 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. 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. [Optional: 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 or at http://www.epa.gov/lead.

Nitrate: *Nitrate in drinking water at levels above 10 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.*

Lead: 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 materials 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 USEPA Safe Drinking Water Hotline (1-800-426-4791).

Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

VIOLATION OF A MCL, MRDL, AL, TT, OR MONITORING AND REPORTING REQUIREMENT				
Violation	**Explanation**	**Duration**	**Actions Taken to Correct the Violation**	**Health Effects Language**
Lead (ppb)*	**Lead was detected from the upstairs administration building kitchen sink.**	**12/26/13**	**Removed from service.**	**Infants and children who drink water containing lead in excess of the action level may experience delays in their physical or mental development. Children may show slight deficits in attention span and learning abilities. Adults who drink this water over many years may develop kidney problems or high blood pressure.**
Nitrate as Nitrogen (ppm)*	**Monthly testing showed exceedance of MCL.**	**11/03/15 to 12/15/15**	**Notifications were posted in breakrooms/ kitchenettes. Wells in service and 1000-gallon Storage Tank were inspected and flushed. Testing since flushing has demonstrated that we are once again providing water that meets the states standards.**	**Infants below the age of six 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.**
Iron (ppb)*	**Annual testing showed exceedance of Secondary MCL.**	**11/10/15 to 6/27/16**	**Well #2 was inspected and repaired. Testing has demonstrated Well #2 does not exceed the Secondary MCL for Iron.**	**Iron was found at levels that exceed the secondary MCL of 300 ug/L. The iron MCL was set to protect you against unpleasant aesthetic effects (e.g., color, taste, and odor) and the staining of plumbing fixtures (e.g., tubs and sinks) and clothing while washing. The high iron levels are due to leaching of natural deposits.**

For Water Systems Providing Ground Water as a Source of Drinking Water

TABLE 7 – SAMPLING RESULTS SHOWING FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLES					
Microbiological Contaminants (complete if fecal-indicator detected)	**Total No. of Detections**	**Sample Dates**	**MCL [MRDL]**	**PHG (MCLG) [MRDLG]**	**Typical Source of Contaminant**
E. coli	(In the year)		0	(0)	Human and animal fecal waste
Enterococci	(In the year)		TT	n/a	Human and animal fecal waste
Coliphage	(In the year)		TT	n/a	Human and animal fecal waste

Summary Information for Fecal Indicator-Positive Ground Water Source Samples, Uncorrected Significant Deficiencies, or Ground Water TT

SPECIAL NOTICE OF FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLE

SPECIAL NOTICE FOR UNCORRECTED SIGNIFICANT DEFICIENCIES

VIOLATION OF GROUND WATER TT				
TT Violation	**Explanation**	**Duration**	**Actions Taken to Correct the Violation**	**Health Effects Language**

For Systems Providing Surface Water as a Source of Drinking Water

TABLE 8 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES	
Treatment Technique [(a)] (Type of approved filtration technology used)	
Turbidity Performance Standards [(b)] (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to _____ NTU in 95% of measurements in a month. 2 – Not exceed _____ NTU for more than eight consecutive hours. 3 – Not exceed ____ NTU at any time.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	
Highest single turbidity measurement during the year	

Number of violations of any surface water treatment requirements	

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

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

** Any violation of a TT is marked with an asterisk. Additional information regarding the violation is provided below.*

Summary Information for Violation of a Surface Water TT

VIOLATION OF A SURFACE WATER TT				
TT Violation	**Explanation**	**Duration**	**Actions Taken to Correct the Violation**	**Health Effects Language**

Summary Information for Operating Under a Variance or Exemption