State Water Resources Control Board
Division of Drinking Water

December 16, 2019

David Hazen, Water Superintendent
County of Ventura Public Works Agency
Ventura County Waterworks
District No. 19 - Somis
6767 Spring Road
P.O. Box 250
Moorpark, CA 93021

Subject: System Number 5610015 – 2019 Sanitary Survey

Dear Mr. Hazen,

Thank you for your, Eric Keller's, Shane Dass', Raul Ruiz's, and Miguel Arambula III's cooperation during the Ventura County Waterworks District No. 19 – Somis' (hereinafter VCWWD 19) water system inspection conducted on June 20, 2019. The inspection was conducted by Patrick Karinja, Water Resource Control Engineer with the Division of Drinking Water (hereinafter DDW).

The routine inspection of the drinking water system was part of a Sanitary Survey and included examining the source, treatment, storage, and pump facilities. In addition to the water system inspection, this Sanitary Survey included a review of the distribution system, routine monitoring and reporting to the DDW, water system management and operations, and operator compliance with State requirements. The purpose of the Sanitary Survey is to identify any health concerns related to the water system and to assess the overall construction, operation, maintenance, and management of the water system.

Based on the recent field inspection and review of DDW files, items were identified that require attention by VCWWD 19 to increase the reliability and safety of the water system and to meet all applicable regulations. These items are listed below, and are discussed at greater detail along with a broader analysis of the water system in the enclosed Sanitary Survey Report (Enclosure 1), accompanied by an Inspection Photo Log (Enclosure 2), Last and Next Sample Table (Enclosure 3), Iron and Manganese Monitoring Results (Enclosure 4), Radionuclides Monitoring Flow Chart (Enclosure 5), and Bacteriological Sample Siting Plan Template (Enclosure 6). Please complete the

enclosed Sanitary Survey Response Form (Enclosure 7) and return it to our office by **January 17, 2020**.

Sanitary Survey Follow-Up Items:

1. The sequestering chemical injection did not appear to be in use at Well 2 or Well 3. VCWWD 19 is to provide an update on its sequestering control activities.

2. The flush-to-waste piping at Well 2 was not fully screened. VCWWD 19 is to secure a screen at the flush-to-waste piping to prevent potential entry of animals.

3. The ammonium sulfate injection appeared to be disconnected and not in use at Well 2 and Well 3. VCWWD 19 is to provide a description of its operations and control of mixing chlorinated groundwater and chloraminated purchased water in its distribution system.

4. VCWWD 19 must uncover the overflow drainage line at 538 Foot Reservoir and ensure that it is screened and remains uncovered. VCWWD 19 should also work with the site neighbors to have the bee boxes relocated further away from the reservoir, as VCWWD 19 staff need to be able to freely and readily visit the site. VCWWD 19 reported that it plans to replace the 538 Foot Reservoir in two to three years. In the meantime, finished water must be protected from contaminants. DDW recommends frequent inspections of the reservoir to actively track its condition and evaluate if immediate maintenance is needed while the replacement reservoir is forthcoming.

5. At Balcom Canyon Reservoir, the float level indicator was broken, indicating an incorrect tank level. Ponding was observed on the roof, along with debris near the hatch. There appeared to be some corrosion around the roof's air vent. Also, a helicopter repeatedly passed directly over the reservoir, as it was spraying crops in a nearby field. VCWWD 19 should contact the landowner to make sure they are aware of the potable water storage and VCWWD 19 should determine what is being sprayed near its finished water storage reservoir. VCWWD 19 should either fix or remove the float level indicator so as not to give a false reading. VCWWD 19 should address ponding and debris buildup on the roof to prevent corrosion and contamination of finished water. VCWWD 19 should assess the condition to the air vent and make repairs if necessary.

6. At Greentree Reservoir 2, the float level indicator was broken, indicating an incorrect tank level. There was ponding and associated corrosion on the roof around the edges, rusting around roof air vents, and there was a gap in the screen around the center air vent. VCWWD 19 should either fix or remove the float level indicator so as not to give a false reading. VCWWD 19 should paint

over corrosion spots and address ponding on the roof to prevent further corrosion. It should secure the center air vent screen so that there is no gap and replace air vent screens that are nearing their useful life.

7. VCWWD 19 is to continue monitoring Well 2 and Well 3 for iron and manganese quarterly. VCWWD 19 must also provide public notice of the secondary MCL exceedances at Well 2 and Well 3 (i.e., include in its Consumer Confidence Report), actively flush the sources, and submit usage reports. VCWWD 19 is to submit quarterly usage and flushing reports for Well 2 and Well 3.

8. VCWWD 19 should make sure to carefully follow the Radionuclides Monitoring Flow Chart (Enclosure 5) to ensure full compliance with all radionuclides sampling requirements (i.e., monitoring for the appropriate parameters and at the appropriate frequency).

9. VCWWD 19 is to submit an updated Bacteriological Sample Siting Plan, as the plan on file with DDW is over ten years old. A Bacteriological Sample Siting Plan template is included as Enclosure 6.

10. VCWWD 19 is to submit an OM&MP for its iron and manganese treatment plant.

11. The distribution system operator certifications for Jeff Beard and Ryan Rivas are shown past the expiration dates. VCWWD 19 is to update DDW on the status of their certifications.

Other Notes and Recommendations:

1. Zone Mutual Water Company delivers non-potable water for agriculture in parts of VCWWD 19's service area. VCWWD 19 should verify that there is adequate separation between both system's main lines and ensure all customers with an auxiliary supply of water are served through an appropriate backflow prevention device.

2. The 2018 annual report indicates that there are 391 backflow prevention devices in the system, and that 384 were tested during 2018. All backflow prevention devices must be tested at least annually. DDW generally recommends that water systems use a tagging system to display the date when each backflow prevention device was last tested. New services shall be evaluated for any cross-connections and backflow hazards. VCWWD 19 should also periodically survey existing service connections for cross-connections or potential backflow hazards.

3. One tie down was missing at 860 Foot Reservoir 1. Also, the paint on the roof is thinning.

4. Some debris was observed caught in the screen of the overflow pipe at 860 Foot Reservoir 2, which could be evidence of interior corrosion.

5. Some corrosion was observed on the roof of 1,030 Foot Reservoir 2 and around the edges inside the hatch.

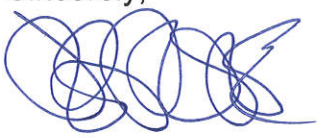
6. Some paint was observed to be peeling on the piping at Sand Canyon Booster Pump Station.

7. DDW encourages VCWWD 19 to submit or notify DDW of any updates made to Water Master Plans, Drought, Operations, Maintenance, and Safety Policies.

8. DDW generally recommends the use of flexible couplings for inlet and outlet lines of pressure tanks for seismic protection, which VCWWD 19 has installed at some of its reservoirs. DDW also recommends strategic placement of isolation valves and critical path planning to provide continued water service to priority locations during emergency situations (i.e., emergency response and medical centers). VCWWD 19 should also be sure to keep up its weed abatement around critical infrastructure to minimize potential fire impacts.

If you have any questions regarding this letter, please contact Patrick Karinja, Water Resource Control Engineer, at (805) 566-1839 or patrick.karinja@waterboards.ca.gov.

Sincerely,



Jeff Densmore, P.E., District Engineer
Santa Barbara District
State Water Resources Control Board
Division of Drinking Water

Attachments:
Enclosure 1 – Sanitary Survey Report
Enclosure 2 – Inspection Photo Log
Enclosure 3 – Last and Next Sample Table
Enclosure 4 – Iron and Manganese Monitoring Results
Enclosure 5 – Radionuclides Monitoring Flow Chart
Enclosure 6 – Bacteriological Sampling Siting Plan

Enclosure 7 – Sanitary Survey Response Form

cc: Ventura County Environmental Health Division

Enclosure 1

Sanitary Survey Report

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I. INTRODUCTION

1.1 PURPOSE OF REPORT

The purpose of this report is to document the findings of the recent Sanitary Survey. Sanitary Surveys are required every three years, at a minimum, and consist of a discussion and survey of eight elements (*Source, Treatment, Distribution System, Finished Water Storage, Pumps/Pump Facilities/Controls, Monitoring/Reporting/Data Verification, System Management and Operation, and Operator Compliance with State Requirements*). Each element is comprised of several components. The public water system is required to comply with all regulations pertaining to each element. If the Division of Drinking Water (hereinafter DDW) identifies a *significant deficiency* in any element category during a Sanitary Survey, the public water system will be required to correct the *significant deficiency* in a specified time frame.

1.2 BRIEF DESCRIPTION OF SYSTEM

Ventura County Waterworks District No. 19 – Somis (herineafter VCWWD 19) is a community water system that serves potable water to the residents of Somis and some surrounding areas in south-central Ventura County. The service area involves a residential population of 3,275 people and 1,050 active service connections (763 single-family residential, 21 multi-family residential, 32 commercial/institutional, 2 industrial, 113 landscape irrigation, and 119 agricultural irrigation), along with 1 inactive connection and 15 connections classified as “other”. There is no reported information regarding the transient population served for 2018. VCWWD 19 operates three active wells and maintains three connections to Calleguas Municipal Water District. VCWWD 19 maintains eight finished water storage reservoirs along with booster pumps throughout its distribution system.

VCWWD 19 operates under the authority of Domestic Water Supply Permit No. 04-06-94P-002, issued by DDW on April 25, 1994, and three subsequent Permit Amendments. The first Permit Amendment 5610015PA-001 was issued on July 7, 2010, for constructing and operating Well 4 and the associated iron and manganese filtration facility. The second Permit Amendment 5610015PA-002 was issued on March 25, 2011, for constructing and operating a replacement reservoir for Tank 860. The third Permit Amendment 5610015PA-003 was issued on November 13, 2013, for constructing and operating an iron and manganese filtration facility at the Well 2 site; the iron and manganese filtration facility at Well 2 has not yet been constructed.

DDW previously conducted a Sanitary Survey inspection of VCWWD 19 on July 26, 2016, and issued an initial report on August 17, 2016, and a revised report on September 19, 2016, after receiving comments from VCWWD 19. VCWWD 19 submitted a response to the sanitary survey report on September 26, 2016.

1.3 SOURCES OF INFORMATION

All information included in this report was obtained from DDW files, VCWWD 19 personnel, and a site visit on June 20, 2019, with subsequent correspondence.

1.4 ENFORCEMENT HISTORY

Since the previous Sanitary Survey inspection in 2016, DDW has issued no enforcement actions to VCWWD 19.

II. INVESTIGATION AND FINDINGS

2.1 ELEMENT 1: SOURCES

2.1.1 SURFACE WATER

VCWWD 19 does not maintain a surface water supply, but it does purchase treated surface water, as described in section 2.1.3 (Purchased Water).

2.1.2 GROUNDWATER

VCWWD 19 has three active groundwater wells, as described in the following table:

Table 1: Well Information

Source Name and PS Code	Year Drilled	Well Depth (ft.)	Depth to Highest Perforations (ft.)	Annular Seal Depth (ft.)	Casing Type	Pump Type	Capacity (gpm)	Status
Well 2 (5610015 -001)	1973	1,512	1,090	100	16-inch steel	Deep Well Turbine	1,130	Active
Well 3 (5610015 -002)	1979	1,440	800	100	16-inch steel	Deep Well Turbine	950	Active
Well 4 (5610015 -003)	2008	1,060	900	863	16-inch steel	Deep Well Turbine	1,200	Active

2.1.2.1 WELL 2

Well 2 was drilled in 1973 to a depth of 1512 feet. It is located in an agricultural area, near a lemon orchard. The well is equipped with 16-inch steel casing and is gravel-packed. The well is surface-sealed and has an annular seal depth of 100 feet. The perforations begin at a depth of 1,090 feet. The well has three confining clay layers: a 220-foot thick clay layer starts at the surface of the well, a 40-foot clay layer starts at a depth of 250 feet, and a 105-foot clay layer starts at a depth of 635 feet. The well is equipped with an electric motor and a deep well turbine pump, and it has a sand trap. See Photo 1. Well 2 is operated using a variable frequency drive and VCWWD 19 keeps a portable backup generator at the well site. The well site is fenced for security and there are no sewer lines or sewage disposal facilities located within 50 or 100 feet from the well. A drinking water

source assessment for Well 2 was first completed in August 2001 and updated during the sanitary survey in November 2012. Well 2 is considered most vulnerable to agricultural drainage and other agriculture/irrigation wells. The well water complies with the primary drinking water standards but exceeds the iron and manganese secondary standards. VCWWD 19 provides sequestering control for iron and manganese. During the 2016 sanitary survey VCWWD 19 noted that it is still providing sequestering control for iron and manganese using Aquadene (Sodium Polyphosphate) which is NSF/ANSI Standard 60 certified. **During the 2019 inspection, the sequestering chemical injection did not appear to be in use. VCWWD 19 is to provide an update on its sequestering control activities.**

VCWWD 19 submitted a permit amendment application in 2013 for constructing an iron and manganese treatment plant. It has acquired land at the well site for the treatment plant (see Photo 3), but the project has been significantly delayed due to funding issues. VCWWD 19 was previously working towards obtaining a loan through the U.S. Department of Agriculture but did not secure the contract before the loan term expired at the end of 2018. The project is now being funded by the State and is in the bidding process. VCWWD 19's project timeline includes a construction state date in December of 2019 with completion estimated in October 2020. DDW previously approved a waiver request for iron and manganese secondary standards effective until December 2019 under the conditions that the Well 2 treatment project continued to move towards VCWWD 19's previously proposed December 2019 completion date and that Well 3 (which also exceeds the iron and manganese secondary standards) remains in a lag position. VCWWD 19 confirmed that Well 3 is operated the least of the its three wells, but is still prioritized over purchased water and run on a weekly basis. DDW approves a one-year extension of the waiver for iron and manganese secondary standards, effective until December 2020, under the conditions that the Well 2 treatment project continues to move towards VCWWD 19's proposed October 2020 completion date and that Well 3 remains in a lag position relative to all sources including purchased water. VCWWD 19 may use Well 3 if it is able to demonstrate a reliable blending operation using Well 3 and purchased water to deliver water that meets the secondary standards for iron and manganese.

During the inspection, the flush-to-waste piping was not fully screened (see Photo 2). **VCWWD 19 is to secure a screen at the flush-to-waste piping to prevent potential entry of animals.**

2.1.2.2 WELL 3

Well 03 was drilled in 1979 to a depth of 1440 feet. It is located in an agricultural area, near a lemon orchard and an equestrian center. The well is equipped with 16-inch steel casing and is gravel packed. The well is surface-sealed and has an annular seal depth of 100 feet. The perforations begin at a depth of 800 feet. The well has four confining clay layers: a 90-foot thick clay layer starts at depth of 180 feet, a 70-foot thick clay layer starts at a depth of 350 feet, a 70-foot thick clay later starts at a depth of 530 feet, and a 50-foot thick clay layer starts at a depth of 700

feet. The well is equipped with an electric motor and a deep well turbine pump, and it has a sand trap. See Photo 4. Well 3 is not set up with a variable frequency drive and there is no backup generator at the well site. The well site is fenced for security and there are no sewer lines or sewage disposal facilities located within 50 or 100 feet from the well. A drinking water source assessment for Well 3 was first completed in August 2001 and updated during the sanitary survey in November 2012. Well 3 is considered most vulnerable to agricultural drainage and other agriculture/irrigation wells. The well water complies with the primary drinking water standards but exceeds the iron and manganese secondary standards. DDW previously approved a waiver request for iron and manganese secondary standards effective until December 2019 under the conditions that the Well 2 treatment project continued to move towards VCWWD 19's previously proposed December 2019 completion date and that Well 3 (which also exceeds the iron and manganese secondary standards) remains in a lag position. VCWWD 19 confirmed that Well 3 is operated the least of the its three wells, but is still prioritized over purchased water. DDW approves a one-year extension of the waiver for iron and manganese secondary standards, effective until December 2020, under the conditions that the Well 2 treatment project continues to move towards VCWWD 19's proposed October 2020 completion date and that Well 3 remains in a lag position relative to all sources including purchased water. VCWWD 19 noted during the inspection that purchased water received through the San Canyon turnout can supply the same service areas as Well 3. VCWWD 19 may use Well 3 if it is able to demonstrate a reliable blending operation using Well 3 and purchased water to deliver water that meets the secondary standards for iron and manganese. **During the 2019 inspection, there appeared to be a sequestering chemical injection set up, but not in use. VCWWD 19 is to provide an update on its sequestering control activities.**

VCWWD 19 plans to drill a new well (Well 5), which could replace Well 3. The new well site is not yet determined. The project is included in VCWWD 19's 5-year Capital Improvements Plan. VCWWD 19's current estimated project timeline is to begin well site selection, preliminary design, and easement acquisition in 2021, with project completion by the end of 2024. VCWWD 19 must comply with CCR, Title 22, Section 64560 (New Well Siting, Construction, and Permit Application), which includes submitting a permit amendment application and confirming that the new groundwater well meets current construction standards.

2.1.2.3 WELL 4

Well 04 was drilled in 2008 to a depth of 1,060 feet deep. It is located in an agricultural area, near an equestrian center. The well has a concrete surface seal, which is 18 inches thick and 60 inches square, and a pedestal, which is 48 inches in diameter and 24 inches tall. A 30-inch conductor casing was installed from 0 to 50 feet and a concrete sanitary seal was provided to the same depth. A 16-inch steel casing was installed between 0 and 819 feet and a 16-inch stainless steel casing was installed between 820 and 900 feet. Another concrete sanitary seal was installed from 0 to 863 feet. The well is gravel packed between 863 and 1,060

feet. The perforations of the stainless steel screen begin at a depth of 900 feet and extend to 1,060 feet. The well is equipped with an electric motor and a deep well turbine pump. Well 4 is operated using a variable frequency drive and VCWWD 19 keeps a portable backup generator at the well and treatment plant site. The well site has a perimeter block wall and locking gate for security and there are no sewer lines or sewage disposal facilities located within 50 or 100 feet from the well. A canopy is constructed over the well. See Photos 5 – 7. A drinking water source assessment for Well 4 was first completed in August 2012 and updated during the sanitary survey in November 2012. Well 4 is considered most vulnerable to animal feeding operations. The well water complies with the primary drinking water standards but exceeds the iron and manganese secondary standards. VCWWD 19 operates a pressure filtration treatment facility to reduce the iron and manganese concentrations in the water from Well 4, as described in section 2.2 (Treatment).

2.1.3 PURCHASED WATER

VCWWD 19 has three active connections to Calleguas Municipal Water District (CMWD) for purchase of treated surface water: Sand Canyon, Balcom Canyon, and Price Road turnouts. The three active connections to CMWD provide a total capacity of 8,160 gallons per minute (gpm). The Sand Canyon turnout is capable of 5,000 gpm, the Balcom Canyon turnout is capable of 3,000 gpm, and the Price Road turnout is capable of 160 gpm. The water that CMWD supplies to VCWWD 19 comes from the California State Water Project which is treated at the Metropolitan Water District (MWD) Joseph Jensen Filtration Plant. The MWD Joseph Jensen Filtration Plant is a conventional treatment. Ozone is used as the disinfectant and the treated water meets the Surface Water Treatment Rule (SWTR) requirements. The delivered water contains chloramines for disinfectant residual in the distribution system. Excess MWD water is diverted to Lake Bard. The water from Lake Bard is treated at CMWD's Lake Bard Water Treatment Plant, which is a direct filtration plant rated at 65 million gallons per day (MGD). The treatment process at the Lake Bard Water Treatment Plant includes coagulation, inline flocculation, direct filtration, ozonation, and chloramination. The treatment process complies with the SWTR. CMWD has two well fields in the Las Posas groundwater basin as another source of water. There are 18 wells in those two well fields.

VCWWD 19 previously utilized the Donlon Road turnout, but CMWD disconnected it along with the Donlon Road Booster Pump Station, and constructed the Balcom Canyon Road turnout in replacement in January 2015. The Balcom Canyon turnout is located in an underground vault and is capable of 3,000 gpm. The Balcom Canyon turnout connects to a main line which leads to the Well 4 iron and manganese treatment plant and later to the Balcom Canyon Reservoir. The Balcom Canyon turnout is controlled by SCADA and can be called upon anytime. Currently VCWWD 19 blends the Well 4 treatment plant effluent with CMWD purchased water from the Balcom Canyon turnout on a 1:1 ratio. The Balcom

Canyon turnout also delivers the water to the Balcom Canyon Reservoir and serves some customers directly.

2.1.4 AUXILIARY SOURCES AND INTERCONNECTIONS

VCWWD 19 does not maintain other auxiliary sources or interconnections.

2.1.5 ADEQUACY OF SUPPLY

VCWWD 19 is required to have storage capacity equal to or greater than its maximum day demand (MDD), as determined from the past 10 years, unless it can demonstrate that it has an additional source of supply or has an emergency source connection that can meet the MDD requirement. The following table shows water demand data from VCWWD 19's annual reports:

Table 2: Water Demand Data

Year	Total Annual Production (Million Gallons)	Maximum Monthly Water Production (Million Gallons)	Maximum Daily Water Production (Million Gallons)
2010	848	178	8.61*
2011	888	128	6.19*
2012	915	133	6.44*
2013	982	105	5.08*
2014	926	103	4.98*
2015	875	103	4.98*
2016	656	83.4	4.04*
2017	737	87.5	4.23*
2018	808	105	5.08*

* Calculated from the maximum monthly water production divided by the number of days in that month, multiplied by a peaking factor of 1.5.

VCWWD 19's highest MDD of 8.91 million gallons, or about 6,000 gpm, occurred in 2010. The combined capacity of Well 2, Well 3, and Well 4 is 3,280 gpm or 4.7 MGD. The three CMWD connections are capable of 8,160 gpm total or 11.5 MGD. VCWWD 19 therefore has an overall source capacity of 16.45 MGD. Furthermore, the potable water reservoirs can store up to 3.24 MG of water. Therefore, VCWWD 19 is considered to have an adequate water supply.

2.1.6 NON-POTABLE WATER

VCWWD 19 does not utilize non-potable water.

2.2 ELEMENT 2: TREATMENT

All of VCWWD 19's active wells exceed the iron and manganese secondary maximum contamination levels (MCLs). VCWWD 19 provides iron and manganese treatment at Well 4. It does not currently provide iron and manganese treatment at Well 2 or 3, but is planning to install treatment at Well 2 by the end of 2020. VCWWD 19 has been operating under a waiver for the iron and manganese secondary MCLs. VCWWD 19 samples Well 2 and Well 3 quarterly for iron and manganese. The running average of each well's four quarterly results shall not be

greater than three times the secondary standards for iron and manganese in order to continue eligibility for continuing the waiver.

VCWWD 19 disinfects the water from Well 2, Well 3, and Well 4 using NSF 60 certified 12.5 percent sodium hypochlorite solution and ammonium sulfate. The disinfection systems are located at each well site. The disinfection processes for Well 4 is carried out at its iron and manganese treatment plant which is located at the same site as the well. **During the 2019 inspection, the ammonium sulfate injection appeared to be disconnected and not in use at Well 2 and Well 3. VCWWD 19 is to provide a description of its operations and control of mixing chlorinated groundwater and chloraminated purchased water in its distribution system.**

2.2.1 WELL 2 IRON AND MANGANESE TREATMENT PLANT (PLANNED)

VCWWD 19 submitted a permit amendment application in 2013 for constructing an iron and manganese treatment plant at Well 2. It has acquired land at the well site for the treatment plant (see Photo 3), but the project has been significantly delayed due to funding issues. VCWWD 19 was previously working towards obtaining a loan through the U.S. Department of Agriculture, but did not secure the contract before the loan term expired at the end of 2018. The project is now being funded by the State and is in the bidding process. VCWWD 19's project timeline includes a construction state date in December of 2019 with completion estimated in October 2020.

2.2.2 WELL 4 IRON AND MANGANESE TREATMENT PLANT

DDW issued a Permit Amendment in July 2010 for VCWWD 19's construction and operation of Well 4 with an associated pressure filtration facility for reducing the iron and manganese concentrations.

VCWWD 19 utilizes two chemical pumps to inject NSF 60 certified 12.5 percent sodium hypochlorite into the well water in the pre-treatment process before the filter vessels. The sodium hypochlorite dose is high enough such that a desired level of chlorine residual level can be maintained in the treated water. The sodium hypochlorite is stored in a 1,500-gallon poly tank which is located in a containment area adjacent to the filter vessels (see Photo 8). A static mixer is located downstream of the sodium hypochlorite injection location and prior to the filter vessels. VCWWD 19 uses a free chlorine residual analyzer to continuously measure the chlorine residual in the influent line leading up to the filters.

The pre-treated water goes through a 10-inch line and into two horizontal Pureflow pressure filter vessels with catalytic adsorption media. The two filter vessels are operated in a parallel configuration and the influent is split between the two filter vessels. Each vessel is 84 inches in diameter and 9.75 feet long. Each vessel has an inlet distribution header at the top and lateral collection under-drains at the bottom (see Photo 9).

The filters are backwashed based on an 8-hour run time and/or set pressure differential across the filter bed. The backwash is initiated automatically and uses distribution system water through a 10-inch line. The backwash flow rate is about 1,580 gpm. VCWWD 19 also backwashes the filter when it has not operated for 24 hours. The backwashed water goes to a 50,000-gallon reclaim tank (see Photo 10). The tank can hold two filter backwashes and one pump-to-waste cycle.

After the backwashed water settles in the tank, two reclaim pumps located within the tank are used to pump the water back to the treatment plant flow prior to the sodium hypochlorite injection point. The reclaim rate is set to be less than 10 percent of the treatment plant flow. Sludge can be removed from a 3-inch drain located at the bottom of the reclaim tank. The drain discharges to a subsurface vault through an air gap. The sludge can then be pumped from the vault.

VCWWD 19 injects an ammonium sulfate solution into the combined filter effluent pipe upstream of a static mixer. A chemical metering pump is utilized for the injection process with one standby pump. The ammonium sulfate solution is stored in a 70-gallon chemical tank. VCWWD 19 receives the ammonium sulfate in a dry powder form and mixes it with treated water from the filtration plant in a chemical tank onsite to create the solution. The ammonium sulfate solution converts the free chlorine leaving the filtration plant to chloramine before reaching the distribution system. The targeted total chlorine concentration is set to be about 1.8 to 2.2 mg/L.

Downstream of the ammonium sulfate solution injection point and the static mixer, VCWWD 19 utilizes an analyzer to continuously monitor the free/total chlorine concentrations. VCWWD 19 also monitors the turbidity of the filtered water at the treatment plant's effluent line. VCWWD 19 samples the treatment plant effluent weekly for iron and manganese concentrations. The weekly effluent monitoring results show that the iron and manganese concentrations in the effluent generally meet the secondary standards. However, there have been periods when iron or manganese results exceeded the secondary standards, as described in section 2.6.2 (Treatment Monitoring).

Well 4 treated water is also blended with purchased water from the CMWD Balcom Canyon turnout (see Photo 11). The blending ratio is 1:1 and the blended water meets the iron and manganese secondary standards. The blended water is delivered to the Balcom Canyon Reservoir and serves the customers who are connected to the main line leading up to the reservoir.

2.3 **ELEMENT 3: DISTRIBUTION SYSTEM**

2.3.1 DISTRIBUTION LINES

VCWWD 19's water distribution system consists of seven pressure zones. The pressures in those zones range from 40 to 120 pounds per square inch (psi). VCWWD 19's water mains consist of Class 150 and 200 4 to 14-inch asbestos cement pipes (~80 percent), C-900, C-150 and C-200 3 to 12-inch polyvinyl chloride (PVC) pipes (~15 percent), 4 to 8-inch cast iron pipes, and 2 to 10-inch steel pipes. VCWWD 19 reports that it actively replaces aged mains in its

distribution system. It uses at least 6-inch PVC pipes to replace old mains or install new mains.

VCWWD 19 has 20 dead ends in its distribution system. The dead ends are reportedly flushed annually or as needed. VCWWD 19 reportedly exercises the distribution valves annually. VCWWD 19 reported that during 2018 it experienced five main breaks/leaks and six service connection breaks/leaks – all associated with old pipeline which were replaced. VCWWD 19 reported some complaints related to color, taste and odor, and pressure. Color issues were found to be related to aged water system infrastructure and were resolved through flushing. Taste and odor issues were investigated with no water quality issues found. VCWWD 19 flushed some lines as a precautionary measure. Localized low pressure issues were investigated and found to be related to distribution system zoning operations and low levels in a finished water storage reservoir, and were corrected.

For newly installed lines, VCWWD 19 uses HTH tablets or chlorine for disinfection with a 24-hour contact time. There should be a final chlorine residual of at least 25 mg/L, and bacteriological sampling should confirm clean results after the disinfection. For fractured mains, repairs are made under partial pressure and if a section is replaced, the line is swabbed with a chlorine solution and flushed according to American Water Works Association (AWWA) disinfection procedures. VCWWD 19 shall use products that meet the NSF Standard 60 and/or 61 when disinfecting and/or replacing the new and repaired lines.

VCWWD 19 is required to maintain adequate separation between its water supply lines and any pipelines conveying non-potable fluid and/or any waste disposal sites or other potential sources of contamination, as described in the California Waterworks Standards. VCWWD 19 shall maintain a minimum distance of 10 feet horizontal and 1 foot vertical between its potable water and non-potable water lines. **Zone Mutual Water Company delivers non-potable water for agriculture in parts of VCWWD 19's service area. VCWWD 19 should verify that there is adequate separation between both system's main lines and ensure all customers with an auxiliary supply of water are served through an appropriate backflow prevention device.**

2.3.1.1 LEAD SERVICE LINES REPLACEMENT

State law prohibits the use of any pipe, pipe or plumbing fitting or fixture, solder, or flux that is not "lead free" in the installation or repair of any public water system or any plumbing in a facility providing water for human consumption, except as specified.

Under the Lead Service Lines section of the California Health and Safety code, Section 116885, added by Senate Bill 1398 (2016) and amended by Senate Bill 427 (2017), all community water systems were required to compile an inventory of known partial or total lead user service lines in use in its distribution system by July 1, 2018. The inventory was to include all user service lines that are active and

those that are reasonably expected to become active in the future. Also, the bill requires community water systems to identify areas that may have lead user service lines in use, and/or identify any areas within the distribution system that includes materials used for the service line that cannot be identified. After completing the inventory, community water systems must provide by July 1, 2020, a timeline for replacement of lead user service lines in the distribution system. In addition, in areas where the material of the user service line is unknown, the community water system must determine whether those service lines contain lead or provide a timeline for replacement and acquire approval.

VCWWD 19 reported in its 2018 electronic annual report that all services lines are copper, ductile iron, galvanized steel, polyvinyl chloride (PVC), polyethylene (PE), or asbestos cement, and that there are no lead pipes or fittings.

2.3.2 CROSS-CONNECTION CONTROL PROGRAM

VCWWD 19 is to maintain an active Cross-Connection Control Program. VCWWD 19's 2018 annual report identifies Holly Sinclair as the Cross-Connection Control Program (CCCP) coordinator. The 2018 annual report indicates that there are 391 backflow prevention devices in the system, and that 384 were tested during 2018. **All backflow prevention devices must be tested at least annually. DDW generally recommends that water systems use a tagging system to display the date when each backflow prevention device was last tested. New services shall be evaluated for any cross-connections and backflow hazards. VCWWD 19 should also periodically survey existing service connections for cross-connections or potential backflow hazards.**

2.4 ELEMENT 4: FINISHED WATER STORAGE

VCWWD 19 has eight finished water storage tanks with a total capacity of 3.24 MG, as described in the following table:

Table 3: Storage Tank Specifications

Name	Year Constructed	Capacity (gal)	Material	Inlet/Outlet Type
538 Foot Reservoir	1975	210,000	Bolted Steel	Common
860 Foot Reservoir 1	2011	200,000	Bolted Steel	Common
860 Foot Reservoir 2	1996	160,000	Bolted Steel	Common
1030 Foot Reservoir 1	1994	20,000	Bolted Steel	Common
1030 Foot Reservoir 2	1994	20,000	Bolted Steel	Common
Balcom Canyon Reservoir	1980	1,000,000	Welded Steel	Common
Greentree Reservoir 1	1955	600,000	Welded Steel	Common

Name	Year Constructed	Capacity (gal)	Material	Inlet/Outlet Type
Greentree Reservoir 2	1987	1,000,000	Welded Steel	Common

2.4.1 538 FOOT RESERVOIR

The reservoir was constructed of steel in about 1975 with a coal tar internal coating. It has a storage capacity of 210,000 gallons. The reservoir has a common inlet and outlet. It is located above ground in rural area on a hill east of Somis. The reservoir site is fenced. The reservoir receives water from a CMWD turnout and delivers water to the distribution system and 860 Foot Reservoir 1 and 2. There is a backup generator at the reservoir site. The previous 2016 sanitary survey noted that the reservoir's air vent and overflow screens were too large to prevent entry of insects and that there were numerous spots on the reservoir's wall and roof where paint was peeling which should be repainted to prevent corrosion. During the 2019 inspection the reservoir's paint coating was still in very poor condition. Some spots had been patched years ago, and those areas appeared to be further corroding. There was evidence of birds on the roof of the reservoir. The overflow drainage outlet appeared to be buried. Bee boxes were kept just outside of the perimeter fencing. See Photos 12 – 15.

VCWWD 19 must uncover the overflow drainage line and ensure that it is screened and remains uncovered. VCWWD 19 should also work with the site neighbors to have the bee boxes relocated further away from the reservoir, as VCWWD 19 staff need to be able to freely and readily visit the site. VCWWD 19 reported that it plans to replace the reservoir in two to three years. In the meantime, finished water must be protected from contaminants. DDW recommends frequent inspections of the reservoir to actively track its condition and evaluate if immediate maintenance is needed while the replacement reservoir is forthcoming.

2.4.2 860 FOOT RESERVOIR 1

The reservoir was constructed above ground of bolted steel panels in 2011 as replacement of a 160,000-gallon reservoir. It has a capacity of 200,000 gallons. It has two common inlets and outlets located on opposite sides. It has an epoxy internal lining. The reservoir has an 8-inch overflow. The overflow and drain discharge through an air gap to a sump which leads down to the bottom of a ravine next to the reservoir. The reservoir is located on a hill east of Somis. The reservoir site is fenced and also includes the 860 Foot Reservoir 2, as the two reservoirs float together (see Photo 16). The reservoirs receive water from the 538 Foot Reservoir and deliver water to the distribution system and 1,030 Foot Reservoir 1 and 2. There is a permanent backup generator at the reservoir site. The reservoir's air vent, drain and overflow are screened. **During the 2019 inspection, one tie down was missing (see Photo 17). Also, the paint on the roof is thinning (see Photo 18).**

2.4.3 860 FOOT RESERVOIR 2

The reservoir was constructed above ground of steel in 1996. It has a capacity of 160,000 gallons. It has a coal tar internal lining. It has a common 8-inch inlet and outlet. The reservoir is located at the same site as the 860 Foot Reservoir 1, as the two reservoirs float together (see Photo 16). The reservoirs receive water from the 538 Foot Reservoir and deliver water to the distribution system and 1,030 Foot Reservoir 1 and 2. There is a permanent backup generator at the reservoir site. The overflow discharges to the same sump as 860 Foot Reservoir 1. The reservoir's air vent is screened. **During the 2019 inspection, some debris was observed caught in the screen of the overflow pipe, which could be evidence of interior corrosion.**

2.4.4 1,030 FOOT RESERVOIR 1

The reservoir was constructed above ground of galvanized steel in 1994. It has a capacity of 20,000 gallons. The reservoir has a common inlet and outlet equipped with an earthquake flexible coupling. The reservoir site is located on a hill east of Somis which also hosts the 1,030 Foot Reservoir 2, as the two reservoirs float together (see Photo 19). They receive water from the 860 Foot Reservoir and deliver water to the distribution system. There is a permanent backup generator at the reservoir site. There is also a hydropneumatic pressure tank to serve homes located above the reservoirs' elevation. The reservoir's air vent is screened.

2.4.5 1,030 FOOT RESERVOIR 2

The reservoir was constructed above ground of galvanized steel in 1994. It has a capacity of 20,000 gallons. The reservoir has a common inlet and outlet equipped with an earthquake flexible coupling. The reservoir is located at the same site as the 1,030 Foot Reservoir 1, as the two reservoirs float together (see Photo 19). There is a permanent backup generator at the reservoir site. There is also a hydropneumatic pressure tank to serve homes located above the reservoirs' elevation. The reservoir's air vent is screened. **During the 2019 inspection, some corrosion was observed on the roof (see Photo 20) and around the edges inside the hatch (see Photo 21).** It was noted that some exterior spots had previously appeared to "bubble up" but were addressed with sheet metal and epoxy.

2.4.6 BALCOM CANYON RESERVOIR

The reservoir was constructed above ground of welded steel in 1980. It has a capacity of 1 million gallons. The reservoir has an epoxy internal coating. The reservoir has a common inlet and outlet. The reservoir site is located in a rural area on Balcom Canyon Road. The reservoir receives water from the distribution system and delivers water to the distribution system. The reservoir's air vent and overflow are screened. **During the 2019 inspection, the float level indicator was broken, indicating an incorrect tank level. Ponding was observed on the roof, along with debris near the hatch. There appeared to be some corrosion**

around the roof's air vent. Also, a helicopter repeatedly passed directly over the reservoir, as it was spraying crops in a nearby field. See Photos 22 – 28. VCWWD 19 should contact the landowner to make sure they are aware of the potable water storage and VCWWD 19 should determine what is being sprayed near its finished water storage reservoir. VCWWD 19 should either fix or remove the float level indicator so as not to give a false reading. VCWWD 19 should address ponding and debris buildup on the roof to prevent corrosion and contamination of finished water. VCWWD 19 should assess the condition to the air vent and make repairs if necessary.

2.4.7 GREENTREE RESERVOIR 1

The reservoir was constructed above ground of steel in 1955. It has a storage capacity of 600,000 gallons. It has an internal epoxy coating. The reservoir has a common inlet and outlet. The reservoir also has permanent auxiliary piping, which can be used with a portable diesel pump (located on site during the inspection), if needed in an emergency (see Photo 29). The reservoir is located above ground in a rural area on North Greentree Drive. The reservoir site is fenced and also is the location for the Greentree Reservoir 2, as the two reservoirs float together. They receive water from the distribution system and deliver water to the distribution system. There is a permanent backup generator at the reservoir site, along with the Greentree Reservoir Booster Pump Station. The reservoir's air vent is screened. The reservoir's overflow discharges to the same sump as the Greentree Reservoir 2, through an underground pipe. See Photos 29 – 34.

2.4.8 GREENTREE RESERVOIR 2

The reservoir was constructed above ground of steel in 1987. It has a storage capacity of 1 million gallons. It has an internal epoxy coating. The reservoir has a common inlet and outlet. The reservoir is located at the same site as Greentree Reservoir 1, as the two reservoirs float together. There is a permanent backup generator at the reservoir site, along with the Greentree Reservoir Booster Pump Station. The reservoir's air vent is screened. The reservoir's overflow discharges to the same sump as the Greentree Reservoir 1, through an air gap. **During the 2019 inspection, the float level indicator was broken, indicating an incorrect tank level. There was ponding and associated corrosion on the roof around the edges, rusting around roof air vents, and there was a gap in the screen around the center air vent. See Photos 29 – 34. VCWWD 19 should either fix or remove the float level indicator so as not to give a false reading. VCWWD 19 should paint over corrosion spots and address ponding on the roof to prevent further corrosion. It should secure the center air vent screen so that there is no gap and replace air vent screens that are nearing their useful life.**

2.5 ELEMENT 5: PUMPS, PUMP FACILITIES, AND CONTROLS

VCWWD 19 operates five active booster pump facilities in its potable water distribution system. Four of the booster pump stations are located at reservoir sites

while the remaining one is located near the CMWD turnout on San Canyon Road. The booster pumps help to deliver water to the distribution system and higher elevation reservoirs.

2.5.1 538 RESERVOIR BOOSTER PUMP STATION

The 538 Reservoir Booster Pump Station is located at the 538 Foot Reservoir site. It has two pumps: one 40-hp pump capable of 300 gpm and one 100-hp pump capable of 700 gpm. The pump station has a connection for auxiliary power. It receives water from the 538 Foot Reservoir and delivers water to 860 Foot Reservoir 1 and 2.

2.5.2 860 RESERVOIR BOOSTER PUMP STATION

The 860 Reservoir Booster Pump Station is located at the 860 Foot Reservoir 1 and 2 site. It two pumps: one 50-hp pump capable of 450 gpm and one 40-hp pump capable of 200 gpm. The pump station has a connection for auxiliary power. It receives water from 860 Foot Reservoir 1 and 2 and delivers water to 1,030 Foot Reservoir 1 and 2.

2.5.3 1,030 RESERVOIR BOOSTER PUMP STATION

The 1,030 Reservoir Booster Pump Station is located at the 1,030 Foot Reservoir 1 and 2 site. It has two 5-hp pumps, each capable of 50 gpm. The pump station has a connection for auxiliary power. It receives water from 1,030 Foot Reservoir 1 and 2 and delivers water to the 1,030 Foot distribution system zone.

2.5.4 GREENTREE RESERVOIR BOOSTER PUMP STATION

The Greentree Reservoir Booster Pump Station is located at the Greentree Reservoir 1 and 2 site. It has four pumps: one vertical 50-hp pump capable of 450 gpm, one 7.5-hp vertical capable of 100 gpm, and two 75-hp pumps, each capable of 500 gpm. The total capacity of the pumps is 1,500 gpm. The small 7.5-hp pump is used during nighttime when demand is low. The pump station has a connection for auxiliary power and a permanent backup generator on site. It receives water from the distribution system and delivers the water distribution system. See Photos 34 and 35.

2.5.5 SAND CANYON BOOSTER PUMP STATION

The Sand Canyon Booster Pump Station is located off Sand Canyon Road and not far from the CMWD Sand Canyon turnout location. It has two 15-hp pumps and two newer 25-hp pumps. The total capacity of the station is 1,600 gpm. There is a permanent backup generator on site. It can receive water from the CMWD Sand Canyon turnout and deliver water to the distribution system, the Balcom Canyon Reservoir, and Greentree Reservoirs 1 and 2. It has bypass piping to allow water flow during pump maintenance. **During the 2019 inspection, some paint was observed to be peeling on the piping**. See Photo 36.

2.6 ELEMENT 6: MONITORING, REPORTING, AND DATA VERIFICATION

California laws and regulations require a public water system to routinely monitor its sources for general physical parameters, general minerals, inorganic chemicals, radiological chemicals, volatile organic chemicals (VOCs), non-volatile synthetic organic chemicals (SOCs), total coliform bacteria, and fecal coliform bacteria (E. coli).

A public water system is also required to monitor for certain parameters if it performs certain treatment operations, to verify that treatment is adequate and effective.

A public water system is required to routinely monitor its distribution system for total coliform bacteria, fecal coliform bacteria, lead and copper, disinfection byproducts, chlorine residuals, and asbestos when asbestos pipe is used and the water has been determined to be aggressive.

Monitoring results that are submitted electronically (via EDT) and associated monitoring frequencies can be accessed at:
https://sdwis.waterboards.ca.gov/PDWW/

2.6.1 SOURCE MONITORING

The Last and Next Sample Table (Enclosure 3) shows the most recent source sample results in the DDW database, along with the associated maximum contaminant level (MCL), detection limit for purposes of reporting (DLR), the last sample dates, the monitoring frequencies, and the next sample due dates for general physical parameters and minerals, and primary and secondary chemicals at Well 2, Well 3, and Well 4.

VCWWD 19 was granted waivers from monitoring SOC parameters except atrazine, simazine, and 1,2,3-TCP, at Well 2, Well 3, and Well 4. These waivers are continued. The following sections summarize a review of VCWWD 19's recent source monitoring data.

2.6.1.1 GENERAL PHYSICAL PARAMETERS AND MINERALS SOURCE MONITORING

See the Last and Next Sample Table (Enclosure 3). Note that the MCL values entered for total dissolved solids, specific conductance, chloride, and sulfate are upper values of the MCL ranges for which no fixed MCL has been established.

The latest results for general physical parameters and minerals meet all primary MCLs, but exceed some secondary MCLs. Well 2's manganese result of 150 µg/L is above the secondary MCL of 50 µg/L. Well 3's manganese result of 120 µg/L is above the secondary MCL of 50 µg/L. Well 4's iron result of 1,040 µg/L is above the secondary MCL of 300 µg/L, manganese result of 480 µg/L is above the secondary MCL of 50 µg/L, color result of 20 units is above the secondary MCL of 15 units, specific conductance result of 2,150 µS/cm is above the upper range of 1,600 µS/cm but below the short term range of 2,200 µS/cm, sulfate result of 677

mg/L is above the short term range of 600 mg/L, total dissolved solids result of 1,580 mg/L is above the short term range of 1,500 mg/L, and turbidity result of 8.8 NTU is above secondary MCL of 5 NTU.

Water from Well 4 is treated at a filtration facility to meet all standards and is also blended with purchased water. Similar treatment is planned for Well 2. Well 3 may eventually be replaced/relocated. VCWWD 19 has been operating under a waiver for the iron and manganese secondary MCLs. **VCWWD 19 is to continue monitoring Well 2 and Well 3 for iron and manganese quarterly. VCWWD 19 must also provide public notice of the secondary MCL exceedances at Well 2 and Well 3 (i.e., include in its Consumer Confidence Report), actively flush the sources, and submit usage reports. VCWWD 19 is to submit quarterly usage and flushing reports for Well 2 and Well 3.** Iron and manganese results since 2017 for Well 2 raw water, Well 3 raw water, Well 4 raw water, and Well 4 treated water are included as Enclosure 4.

2.6.1.2 INORGANICS SOURCE MONITORING

See the Last and Next Sample Table (Enclosure 3).

The latest results for inorganics meet the MCLs. The monitoring frequency for all inorganics at Well 2, Well 3, and Well 4 is once every three years, except the monitoring frequency for asbestos and cyanide is once every nine years.

2.6.1.3 NITRATE/NITRITE SOURCE MONITORING

See the Last and Next Sample Table (Enclosure 3). Note that nitrate and nitrite monitoring is accelerated to quarterly if a groundwater source monitoring result is greater than or equal to 50 percent of the MCL. After four consecutive quarterly samples are less than the MCL, a system may request that the State Board reduce monitoring frequency to annual sampling for nitrate or once per three years for nitrite.

The latest results for nitrate and nitrite are non-detect and meet the MCLs.

2.6.1.4 RADIOLOGICAL SOURCE MONITORING

See the Last and Next Sample Table (Enclosure 3). Note that the gross alpha MCL of 15 pCi/L excludes radon and uranium, and that radionuclide monitoring is based on triggers, as described in CCR, Title 22, Section 64442, and illustrated in the Radionuclides Monitoring Flow Chart (Enclosure 5). The monitoring frequency for gross alpha depends on the most recent result. The uranium and total radium monitoring requirements are depended on the gross alpha results, based on the following equations:

GA + (0.84 x CE) > 5 pCi/L? is used to determine if further sampling is required for uranium and/or radionuclides, where:

GA = Gross Alpha result
CE = Gross Alpha counting error

GA + (0.84 x CE) - Ur > 5 pCi/L? is used to determine if further sampling is required for radium isotopes, where:

GA = Gross Alpha result
CE = Gross Alpha counting error
Ur = Uranium concentration

The latest August 1, 2017, gross alpha result for Well 2 was below the detection limit of 3 pCi/L and below the MCL of 15 pCi/L. It did not trigger monitoring for uranium and the next radionuclide monitoring event at Well 2 is due within nine years of that sample.

The latest August 1, 2017, gross alpha result for Well 3 was below the detection limit of 3 pCi/L and below the MCL of 15 pCi/L. It did not trigger monitoring for uranium and the next radionuclide monitoring event at Well 3 is due within nine years of that sample.

The latest August 1, 2017, gross alpha result for Well 4 was 5.61 pCi/L, below the MCL of 15 pCi/L. It triggered monitoring for uranium, and the uranium result was below the detection limit of 1 pCi/L. Together, the gross alpha results and uranium result triggered monitoring for Ra-226 and Ra-228. VCWWD 19 monitored for Ra-228 and the result was below the detection limit of 1 pCi/L. VCWWD 19 did not monitor for Ra-226. The radionuclide monitoring event would have been complete if the sum of the Ra-226 and Ra-228 results were less than 5 pCi/L. While VCWWD 19 should have monitored for Ra-226, it is unlikely that the sum of the Ra-226 and Ra-228 results would have been more than 5 pCi/L, based on historical data. The next radionuclide monitoring event at Well 4 is due within 6 years of the August 1, 2017, sample. **VCWWD 19 should make sure to carefully follow the Radionuclides Monitoring Flow Chart (Enclosure 5) to ensure full compliance with all radionuclides sampling requirements (i.e., monitoring for the appropriate parameters and at the appropriate frequency).**

2.6.1.5 VOLATILE ORGANIC CHEMICALS SOURCE MONITORING

See the Last and Next Sample Table (Enclosure 3). Note that if any of the organic constituents are detected, repeat monitoring must be performed in accordance with CCR, Title 22, Section 64445.1.

The latest results for volatile organic chemicals are all non-detect and meet the MCLs.

2.6.1.6 SYNTHETIC ORGANIC CHEMICALS SOURCE MONITORING

See the Last and Next Sample Table (Enclosure 3). Note that if any of the organic constituents are detected, repeat monitoring must be performed in accordance with CCR, Title 22, Section 64445.1. Monitoring for SOC parameters besides atrazine, simazine, and 1,2,3-Trichloropropane (1,2,3-TCP) is waived.

The latest results are all non-detect and meet the MCLs. VCWWD 19 completed the initial monitoring for 1,2,3-TCP, having monitored Well 2, Well 3, and Well 4 each for four consecutive quarters. Since there were no detections of 1,2,3-TCP at any of those wells, VCWWD 19 shall continue monitoring Well 2, Well 3, and Well 4 for 1,2,3-TCP once every three years. VCWWD 19 is to monitor atrazine and simazine at Well 2, Well 3, and Well 4 once every nine years.

2.6.1.7 BACTERIOLOGICAL SOURCE MONITORING

VCWWD 19 is required to monitor the bacteriological quality of its raw groundwater at Well 2, Well 3, and Well 4 quarterly when the wells are in use. It must test each well for total coliform bacteria and E. coli. For compliance with the Groundwater Rule, VCWWD 19 is also required to test its contributing groundwater source(s) for coliform when a routine distribution sample is positive for coliform bacteria.

The following table shows the bacteriological source sampling results back to 2017:

Table 4: Bacteriological Source Monitoring

2017	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Well 2	1-0-0	1-0-0	1-0-0	1-0-0
Well 3	1-0-0	1-0-0	1-0-0	Not Operational
Well 4	1-0-0	1-0-0	1-0-0	1-0-0
2018	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Well 2	Not Operational	Not Operational	1-0-0	No Data
Well 3	Not Operational	Not Operational	1-0-0	No Data
Well 4	1-0-0	1-0-0	No Data	No Data
2019	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Well 2	1-0-0	1-0-0	3-1-0	
Well 3	1-0-0	1-0-0	1-0-0	
Well 4	1-0-0	1-0-0	1-0-0	

Key: # of samples collected - # of total coliform positive results - # of E. coli positive results

VCWWD 19 recently had a positive total coliform (absent E. coli) bacteria sample at Well 2 on August 7, 2019, but resamples collected on August 9, 2019, were absent of total coliform and all distribution system samples (with disinfection) were absent of total coliform during that time.

2.6.2 TREATMENT MONITORING

VCWWD 19 treats Well 4 for iron and manganese. VCWWD 19 is required to collect and analyze chlorine residual samples of the treated water effluent daily. VCWWD 19 is required to sample Well 4 raw water and treated water for iron and manganese at least monthly if the filtration rate is 8.0 gpm/ft^2 or less. VCWWD 19 is required to sample the treated water for iron and manganese at least weekly if

the filtration rate is greater than 8.0 gpm/ft^2. VCWWD 19 is required to submit a monthly report that includes monthly raw and treated water iron and manganese results, daily chlorine residuals, and a list of all dirty and colored water complaints received.

VCWWD 19 utilizes an analyzer to continuously monitor the free/total chlorine concentrations. VCWWD 19 also monitors the turbidity of the filtered water at the treatment plant's effluent line. VCWWD 19 samples the treatment plant effluent weekly for iron and manganese concentrations. The weekly effluent monitoring results show that the iron and manganese concentrations in the effluent generally met the secondary standards. However, there have been periods when iron or manganese results exceeded the secondary standards. Well 4 treated water is also blended with purchased water from the CMWD Balcom Canyon turnout (see Photo 11).

Iron and manganese results since 2017 for Well 4 raw water, and Well 4 treated water (along with Well 2 and Well 3 raw water) are included as Enclosure 4. Most recently, Well 4 treated water exceeded the manganese secondary MCL of 0.050 mg/L in July and August of 2018. A treated water sample from July 16, 2018, showed 0.090 mg/L manganese. Weekly samples thereafter continued to show results over 0.050 mg/L, with the highest being 0.130 mg/L on August 13, 2018. On August 24, 2019 the well was taken offline to acid wash the filter media and adjust the chlorine feed. The well was placed back online on September 19, 2018, and subsequent manganese results have been below 0.050 mg/L.

2.6.3 DISTRIBUTION SYSTEM MONITORING

VCWWD 19 is required to routinely monitor its distribution system for total coliform bacteria, fecal coliform bacteria, disinfectant residuals, disinfection byproducts, and lead and copper. The following sections summarize a review of VCWWD 19's recent distribution system monitoring data.

2.6.3.1 BACTERIOLOGICAL DISTRIBUTION SYSTEM MONITORING

VCWWD 19 is required to test at least two samples from its distribution system for bacteria per month. Currently, VCWWD 19 rotates sampling between 12 distribution system sample sites. The following table shows the bacteriological distribution system sampling results back to 2017:

Table 5: Bacteriological Distribution System Monitoring

Year	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
2017	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0
2018	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0
2019	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0	2-0-0			

Key: # of samples collected - # of total coliform positive results - # of E. coli positive results

From 2017 forward, there have been no positive total coliform results from distribution system samples.

The federal Revised Total Coliform Rule (rTCR) went into effect on April 1, 2016. VCWWD 19 must comply with California's existing Total Coliform Rule (TCR) and the new requirements of the federal rTCR until California can complete the regulatory adoption process for the rTCR. Some of the major revisions include establishing a maximum contaminant level goal (MCLG) and maximum contaminant level (MCL) for *E. coli* for protection against fecal contamination, changing public notification requirements, and requiring Level 1 and Level 2 Treatment Technique Assessments for total coliform and *E. coli* exceedances. For more information regarding the federal rTCR, please visit: http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/rtcr.shtml

For additional guidance to help comply with California's current TCR and the federal rTCR during this interim period, a summary of the actions to be taken in the event of a positive total coliform or *E. coli* result can be found at: http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/rtcr/tcr-rtcr_interim.pdf

2.6.3.2 DISINFECTANT RESIDUALS DISTRIBUTION SYSTEM MONITORING

For compliance with the maximum residual disinfectant level for chlorine of 4.0 mg/L, VCWWD 19 monitors its distribution system for chlorine residuals monthly, in conjunction with its bacteriological sampling. Compliance is based on running annual arithmetic average (RAAA), computed quarterly, of monthly averages of all samples collected by the system. If the average covering any consecutive four-quarter period exceeds the MRDL, the system is in violation of the MRDL and shall notify the public. A MRDL summary report is due to DDW on a quarterly basis.

Since VCWWD 19 serves purchased treated surface water, it must comply with the Surface Water Treatment Rule, in that the residual disinfectant concentrations of samples collected from the distribution system shall be detectable in at least 95 percent of the samples taken each month that the system serves water to the public.

The following table shows the monthly averages of total chlorine residual distribution system sampling results back to 2017:

Table 6: Total Chlorine Residual Monitoring of Distribution System (mg/L)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2017	0.37	0.20	0.85	1.37	1.88	1.57	1.03	0.23	0.35	1.00	2.80	1.73
2018	1.31	1.66	1.59	1.20	2.05	1.52	1.12	1.13	1.57	1.20	1.88	0.84
2019	0.15	0.10	1.33	1.06	1.72	1.20	1.58	0.62	2.31			

2.6.3.3 DISINFECTION BYPRODUCTS DISTRIBUTION SYSTEM MONITORING

DDW approved VCWWD 19's Stage-2 DBP Monitoring Plan in 2011. After the CMWD Balcom Canyon turnout was installed, VCWWD 19 was to re-evaluate its DBP sampling locations due to the change of the location of the purchased treated water. VCWWD 19 has been testing two distribution system locations for total trihalomethanes (TTHMs) and haloacetic acids five (HAA5) annually to comply with the reduced monitoring requirements for disinfection byproducts rule (DBPR). The

sample must be collected and analyzed during the month of February (historical peak month). If at any time the concentrations exceed 60 µg/L for TTHM or 45 µg/L for HAA5, reduced monitoring will be rescinded and VCWWD 19 would be required to test the two distribution system locations at the standard monitoring frequency of quarterly. Analytical results must be submitted electronically via EDT to DDW's database using the site-specific PS Codes (5610015-010 for 5501 Balcom Canyon Road and 5610015-011 for 6648 Los Angeles Avenue). The following table shows the disinfection byproducts distribution system sampling results back to 2017:

Table 7: Disinfection Byproduct Monitoring of Distribution System

DBP	Sample Location	1st Quarter 2017	1st Quarter 2018	1st Quarter 2019
TTHMs (µg/L)	5501 Balcom Canyon Rd.	3	0	42
	6648 Los Angeles Ave.	3	31	9
HAA5 (µg/L)	5501 Balcom Canyon Rd.	1	2	7
	6648 Los Angeles Ave.	0	11	1

2.6.3.4 LEAD AND COPPER DISTRIBUTION SYSTEM MONITORING

For compliance with the Lead and Copper Rule, VCWWD 19 is to test at least 10 samples collected from its customers' taps triennially during the summer months (i.e., June, July, August, or September). Monitoring completed in 2017 shows lead and copper levels are below the action level of 0.015 mg/L for lead and 1.3 mg/L for copper. Analytical results should be submitted electronically to DDW. VCWWD 19 is also required to submit a LCR reporting form summarizing results. The following table summarizes recent results:

Table 8: Lead and Copper Monitoring of Distribution System

Sampling Dates	# of Samples	90th% Lead (mg/L)	90th% Copper (mg/L)
September 2012	10	0.0069	0.220
August 2015	10	0.0039	0.780
August 2018	11	0.005	0.816

The next round of lead and copper distribution system monitoring is due during the summer months of 2021.

2.6.3.5 LEAD SAMPLING IN SCHOOLS

DDW, in collaboration with the California Department of Education, has taken the initiative to begin testing for lead in drinking water at all public K-12 schools. In early 2017, DDW and Local Primacy Agencies issued amendments to the domestic water supply permits of approximately 1,200 community water systems so that K-12 schools (public or private) that are served by a public water system could request assistance from their public water system to conduct water sampling for lead and receive technical assistance if an elevated lead sample is found. To further safeguard water quality in California's K-12 public schools, California Assembly Bill 746 published on October 12, 2017, effective January 1, 2018, requires community water systems to test lead levels, by July 1, 2019, in drinking

water at all California public, K-12 school sites that were constructed before January 1, 2010.

VCWWD 19 registered lead sampling for one school in its service area (Somis Elementary) in accordance with the Lead Sampling of Drinking Water in California Schools program. Samples were collected at five locations within the school on January 30, 2018, and all results were below the action level of 15 µg/L.

2.6.3.6 NITRIFICATION MONITORING

VCWWD 19 purchases treated surface water from CMWD that is disinfected with chloramines, and so there is potential for nitrification to occur within the distribution system. Nitrification monitoring is voluntary, but highly recommended for systems with vulnerability such as VCWWD 19. VCWWD 19 reportedly samples the storage reservoirs routinely and as needed for nitrites, HPC, and chlorine residual to assure nitrification is not occurring. VCWWD 19 does not currently routinely submit nitrification monitoring results to DDW.

2.6.3.7 ASBESTOS

Asbestos monitoring of the distribution system shall be performed for those systems which have asbestos cement pipe and serve corrosive water based on an aggressive water index (AI) evaluation under worst-case conditions (AI less than or equal to 11.5). VCWWD 19 does have asbestos cement pipe (approximately 80 percent of its main lines), but the AI values for Well 2, Well 3, and Well 4 are consistently over 11.5 and thus not considered to be corrosive to asbestos cement pipes. Therefore, VCWWD 19 is not required to monitor asbestos at the distribution system.

2.6.4 RECORDKEEPING

VCWWD 19 is required to maintain records on all complaints received and corrective actions taken, water quality, violations and corrective actions taken, sanitary surveys, variances or exemptions, public notices, and monitoring plans. The records are required to be retained for the lengths of time listed in the following table:

Table 9: Water System Recordkeeping Lengths of Retention

Subject	Documents	Length of Retention
Complaints	Documentation and Action	5 Years
Microbial and Turbidity Analyses	Analyses Info and Results	5 Years
Chemical Analyses	Analyses Info and Results	10 Years
Violations	Documentation and Action	3 Years
Sanitary Surveys	Reports and Communications	10 Years
Variances or Exemptions	Documentation	5 Years
Public Notices	Copies of Notices	3 Years
Bacteriological Monitoring Plans	Copies of Plans	5 Years
Chemical Monitoring Plans	Copies of Plans	10 Years
Consumer Confidence Reports	Copies of Reports	3 Years

Subject	Documents	Length of Retention
Lead and Copper	Analyses, Reports, Surveys	18 Years
Treatment Plant	Reports and Records	2 Years

2.7 ELEMENT 7: SYSTEM MANAGEMENT AND OPERATIONS

2.7.1 ORGANIZATION AND PERSONNEL

VCWWD 19 is a community water system that serves the residents of Somis and some surrounding areas in south-central Ventura County. The County of Ventura owns and operates the water system. Joseph Pope is the Director of Water and Sanitation Department and serves as the legal contact. David Hazen is the Chief Operator and Water Superintendent. Eric Keller is the Deputy Director and Operations Manager, and serves as the emergency contact. VCWWD 19 operates its own lab and Shane Dass is the Lab Manager and serves as the water quality contact. VCWWD 19 charges its residential and agricultural customers variable rates for the potable water.

2.7.2 OPERATIONAL PLANS AND REPORTING

DDW requires an up-to-date Emergency Notification Plan from each water system it regulates. DDW has an Emergency Notification Plan on file for VCWWD 19, dated September 22, 2016.

VCWWD 19 must submit an updated Bacteriological Sample Siting Plan at least once every ten years and at any time the plan no longer ensures representative monitoring of the system. DDW has a Bacteriological Sample Siting Plan on file for VCWWD 19, dated September 10, 2009. **VCWWD 19 is to submit an updated Bacteriological Sample Siting Plan, as the plan on file with DDW is over ten years old. A Bacteriological Sample Siting Plan template is included as Enclosure 6.**

VCWWD 19 is required to operate its iron and manganese treatment plant in accordance with the approved Operations, Maintenance, and Monitoring Plan (OM&MP). The OM&MP was to be submitted to DDW within 6 months of commencing its treatment plant operation. DDW is unable to locate an OM&MP on file for VCWWD 19. **VCWWD 19 is to submit an OM&MP for its iron and manganese treatment plant.**

VCWWD 19 is required to submit an Annual Report to DDW every year. VCWWD 19 submitted its 2018 electronic Annual Report (eAR) on April 30, 2019.

VCWWD 19 is required to distribute a Consumer Confidence Report (CCR) to customers by July 1st every year and submit a certification form that verifies this to DDW by October 1st every year. VCWWD 19 distributed its 2018 CCR to its customers on June 19, 2019, and submitted a certification form to DDW, dated June 26, 2019.

DDW encourages VCWWD 19 to submit or notify DDW of any updates made to Water Master Plans, Drought, Operations, Maintenance, and Safety Policies.

2.7.3 WATER SYSTEM RESILIENCY AND EMERGENCY PLANNING

Earthquakes, terrorism, wildfires, debris flows, flooding, accidents, sabotage, tsunami, and cyber-attacks are a few of the natural and man-caused incidents that the water sector faces regularly. The water sector is acutely aware of the vulnerabilities of drinking water systems to these incidents and the imperative to increase and maintain their resilience. The enhancement of security and the ability of water systems to prevent, prepare for, respond to, and recover from all-hazards is key to maintaining a reliable and adequate supply and delivery of clean, safe, wholesome drinking water. DDW has developed several training initiatives offering tools that will be useful for public water systems in responding to incidents ranging in scope from an MCL failure or natural disaster to a terrorism incident. More information can be found at:
https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Security.html

U.S. EPA also has many tools and resources available to assist drinking water systems in their emergency planning and response procedures. DDW recommends that drinking water systems explore these resources, including the Drinking Water Response Protocol Toolbox, by visiting:
https://www.epa.gov/waterutilityresponse

VCWWD 19 indicated in its 2018 annual report that it may have sensitivities to groundwater depletion, imported water reliability, salt-water intrusion into aquifers, extreme heat with associated increased demands, fire risk, and power supply disruptions. During the inspection, staff noted that there are biweekly safety/training meetings where new issues or concerns may be raised.

2.7.3.1 NATURAL DISASTER MITIGATION

Drinking water systems should be aware of local threats and prepare accordingly, through infrastructure design and improvements, operations and management, communication protocols, and staff training. DDW recommends that drinking water systems develop site-specific plans and procedures for protection, readiness, and response. These plans should be reviewed and re-evaluated regularly, with regular staff training. Within the U.S. EPA website link above are resources for water utilities to develop flood resilience, earthquake resilience, and drought response and recovery, including guides, maps, and case studies. **DDW generally recommends the use of flexible couplings for inlet and outlet lines of pressure tanks for seismic protection, which VCWWD 19 has installed at some of its reservoirs. DDW also recommends strategic placement of isolation valves and critical path planning to provide continued water service to priority locations during emergency situations (i.e., emergency response**

and medical centers). VCWWD 19 should also be sure to keep up its weed abatement around critical infrastructure to minimize potential fire impacts.

2.7.3.2 CYBERSECURITY

Cyber risks pose a significant threat to drinking water systems. Organizations could be affected simply through email, and the utilization of open network communications could make a system more vulnerable. Cybersecurity is a complex and constantly evolving challenge, and it should be given considerable attention and resources. American Water Works Association (AWWA) offers periodically updated cybersecurity guidance and tools specifically geared towards the water sector, which are available at: https://www.awwa.org/Resources-Tools/Resource-Topics/Risk-Resilience/Cybersecurity-Guidance

2.7.3.3 POWER SUPPLY

Both Pacific Gas & Electric (service provider in San Louis Obispo County and portions of Santa Barbara County) and Southern California Edison (service provider in Ventura County and portions of Santa Barbara County) exercise Public Safety Power Shutoffs (PSPS), which are preventative outages where electrical service to an area is voluntarily turned off during times of heightened fire risk (such as high wind speeds). Thus, outages may become more frequent, and auxiliary power may be necessary for some drinking water systems. DDW recommends that drinking water systems contact their electrical service provider to ensure proper safeguarding and priority response, updates, and notifications.

VCWWD 19 is located in an area vulnerable to preventative power outages due to high winds and fire risk. It should make sure that its electric service provider recognizes its service area as a priority for notifications and power restoration after outages. VCWWD 19 maintains backup generators at critical facilities, and reported that backup generators undergo inspections and start-up tests monthly and loaded tests quarterly, but the annual maintenance and test hours are limited by the California Air Resources Board. VCWWD 19 provided update to DDW on November 1, 2019, during the Maria Fire, reporting that it has maintained water levels and system pressure, but has experienced numerous power outages related to PSPS, with some areas being without power for over 60 hours. During these times, VCWWD 19 has had to operate parts of its system using backup generators, requiring much refueling and operator hours. Since test hours are limited for the generators, this has been the longest these generators have been in continued use and it could be straining the equipment. VCWWD 19 also reported that, as of late October 2019, it has formally enrolled in CalWARN, which is a standard omnibus mutual assistance agreement and process for sharing emergency

resources (such as portable generators) among Signatories statewide (http://www.calwarn.org).

2.7.3.4 DROUGHT PREPAREDNESS

The State Water Resources Control Board (Water Board) will continue to update water conservation measures depending on current weather conditions. DDW recommends that water systems stay informed by visiting the Water Conservation Portal at:
https://www.waterboards.ca.gov/water_issues/programs/conservation_portal/

2.7.3.5 CLIMATE CHANGE

California is making efforts to adapt to a changing climate. A principle of the state's adaptation strategy document, Safeguarding California (which can be found at: http://resources.ca.gov/climate/safeguarding/) is to prioritize actions that not only mitigate greenhouse gas emissions, but also help the state prepare for climate change impacts. Improved coordination, implementation, and integration of adaptation planning efforts and funding of the state's climate policies can directly protect the state's natural and built infrastructure, communities, environmental quality, public health, safety and security, natural resources, and economy from the unavoidable impacts of climate change. Drinking water systems are encouraged to use U.S. EPA's Climate Resilience Evaluation and Awareness Tool (CREAT):
https://toolkit.climate.gov/tool/climate-resilience-evaluation-awareness-tool-creat

2.7.3.6 GROUNDWATER MANAGEMENT

In 2014, California signed historic legislation for groundwater management throughout the State, specifically providing local agencies (also known as Groundwater Sustainability Agencies, or GSA's) the authority to manage groundwater basins and usage through the Sustainable Groundwater Management Act of 2014. This is important as groundwater levels are declining, water quality contamination is increasing, and the drought persists. GSA's located in high and medium priority basins in critical overdraft as identified by California Department of Water Resources (DWR) need to develop groundwater sustainability plans by 2020 and adopt and implement the plan by 2040. GSA's are made up of local public water agencies such as Cities, Counties, Public Utility Districts, Community Services Districts, Irrigation Districts, Water Conservation Districts, etc.

VCWWD 19's source wells are located in the Las Posas Valley groundwater basin (DWR-designated Basin Number 4-008), which is designated as a high priority basin. Fox Canyon Groundwater Management Agency serves as the GSA and VCWWD 19 is encouraged to attend and engage in the local GSA meetings to provide input in the process.

2.8 ELEMENT 8: OPERATOR CERTIFICATION COMPLIANCE

Water suppliers are required to designate at least one chief operator and at least one shift operator for the operation of its water treatment facility, distribution system, or both. These operators must meet certification requirements based on the water system's treatment facility and distribution system classifications. A chief operator has overall responsibility for the day-to-day, hands-on, operation of a water treatment facility and/or a distribution system. A shift operator is in direct charge of the operation of a water treatment facility and/or distribution system for a specified period of the day.

VCWWD 19's iron and manganese treatment plant is classified as a T1 facility, which requires a chief operator with at least a T1 certification and a shift operator with at least a T1 certification. VCWWD 19's distribution system is classified as a D3 distribution system, which requires a chief operator with at least a D3 certification and a shift operator with at least a D2 certification. David Hazen serves as VCWWD 19's chief treatment and distribution system operator. The following table shows VCWWD 19's operator certification classifications:

Table 10: Water System Operator Certification Classifications

Operator	Treatment Classification, Operator Number, Expiration Date	Distribution Classification, Operator Number, Expiration Date
Miguel Arambula III	T2 37379 6/1/2022	D3 46260 2/1/2021
Jeff Beard	T2 28927 5/1/2020	D4 34004 **4/1/2019**
Timothy Brown	T1 40008 1/1/2020	D2 47566 11/1/2020
Gary Clark	T1 30135 9/1/2020	D2 34986 11/1/2021
Fausto Esqueda	T1 42512 12/1/2021	D2 49942 5/1/2021
Andy Flores	T2 29360 7/1/2021	D5 33206 8/1/2020
Edward Garcia	T2 30805 1/1/2021	D3 36707 11/1/2022
August Godinez	T2 13559 3/1/2022	D5 17462 11/1/2021
Samuel Gonzalez	T1 38993 1/1/2020	D2 47939 6/1/2020

Operator	Treatment Classification, Operator Number, Expiration Date	Distribution Classification, Operator Number, Expiration Date
Sean Hanley	T2 29786 1/1/2021	D5 35001 4/1/2020
David Hart	T1 41198 1/1/2021	D1 49037 11/1/2020
David Hazen	T2 10654 10/1/2022	D4 7189 871/2021
Eric Keller	T2 33363 8/1/2020	D2 41199 5/1/2021
Jack Kramer	T2 24393 1/1/2021	D3 18230 8/1/2021
Steve Nagaoka	T2 32028 7/1/2020	D3 37800 4/1/2022
Gary Nunez	T2 31453 1/1/2021	D4 36598 5/1/2021
Joseph Ortega	T2 41280 1/1/2021	D2 49530 1/1/2021
Richard Ortega	---	D1 50867 11/1/2021
Marco Reyes	T2 37139 1/1/2022	D2 43710 2/1/2021
Ryan Rivas	---	D2 47213 **9/1/2019**
Raul Ruiz	T2 29075 1/1/2020	D4 32735 12/1/2020
Steve Shelton	T2 35191 4/1/2022	D3 40354 6/1/2022
John Simon	T2 38929 12/1/2019	D2 48415 5/1/2020
Jose Valdivia	T2 34579 7/1/2021	D4 40944 6/1/2022

The distribution system operator certifications for Jeff Beard and Ryan Rivas are shown past the expiration dates. VCWWD 19 is to update DDW on the status of their certifications.

III. CONCLUSIONS

The review of VCWWD 19's domestic water system indicates that it is designed, constructed, operated, and managed generally well. A review of the routine water quality monitoring results indicates VCWWD 19 meets all primary maximum contaminant levels. VCWWD 19's Well 4 exceeds the secondary standards for iron, manganese, color, odor, specific conductance, sulfate, total dissolved solids, and turbidity, but is treated via pressure filtration. VCWWD 19's Well 2 and Well 3 exceed the iron and manganese secondary maximum contaminant levels, but VCWWD 19 has been granted a waiver for iron and manganese secondary maximum contaminant levels under the conditions that the Well 2 treatment project continues to move towards VCWWD 19's proposed October 2020 completion date and that Well 3 remains in a lag position relative to all sources including purchased water. Under normal circumstance, VCWWD 19 is able to provide potable water to its customers that meet the California drinking water standards.

Deficiencies identified during the 2019 sanitary survey include having some unscreened and open pipe (e.g., Well 2 flush-to-waste); periodic iron and manganese treatment excursions; not testing all backflow prevention devices during 2018; poor exterior paint conditions, corrosion spots, a buried overflow drainage pipe, and potential staff access issues at reservoirs (e.g., 538 Foot Reservoir); incomplete radionuclides monitoring event; and some operators potentially having expired certifications. VCWWD 19 must complete and return the attached Sanitary Survey Response Form (Enclosure 7) by **January 17, 2020**.

Enclosure 2

Inspection Photo Log

Photo 1: Well 2.

Photo 2: Well 2 flush-to-waste (not fully screened).


Photo 3: Land acquired for Well 2 iron and manganese treatment plant.


Photo 4: Well 3.

Photo 5: Well 4.

Photo 6: Well 4 controls and backup power supply.

Photo 7: Well 4 and treatment plant site overview.

Photo 8: Well 4 treatment – chemical storage.

Photo 9: Well 4 treatment – pressure filter vessels.

Photo 10: Well 4 treatment – backwash reclaim tank.

Photo 11: Booster pumps for Well 4 treated water and purchased water from Balcom Canyon turnout.

Photo 12: 538 Foot Reservoir – overview (poor paint condition).

Photo 13: 538 Foot Reservoir – corrosion at previously patched spots.

Photo 14: 538 Foot Reservoir – roof (poor paint condition; evidence of birds).

Photo 15: 538 Foot Reservoir – buried overflow drainage pipe and bee boxes along reservoir fence line.

Photo 16: 860 Foot Reservoir 1 and 2 site.

Photo 17: 860 Reservoir 1 – one tie down missing.

Photo 18: 860 Reservoir 1 and 2 – roofs with some paint thinning on 860 Reservoir 1.

Photo 19: 1,030 Foot Reservoir 1 and 2 site.

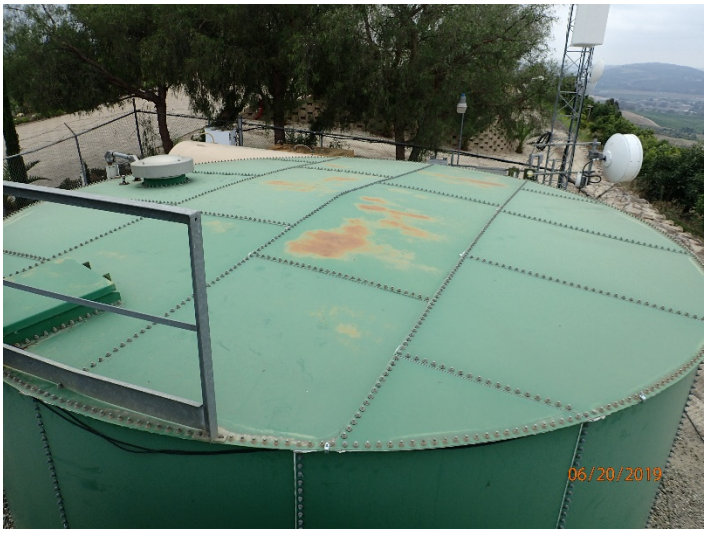

Photo 20: 1,030 Foot Reservoir 1 and 2 – some corrosion on roof.

Photo 21: 1,030 Foot Reservoir 1 and 2 – interior with corrosion around edge of hatch.

Photo 22: Balcom Canyon Reservoir (broken float level indicator).

Photo 23: Balcom Canyon Reservoir – roof and air vent.

Photo 24: Balcom Canyon Reservoir – air vent (possible corrosion).

Photo 25: Balcom Canyon Reservoir – ponding on roof.

Photo 26: Balcom Canyon Reservoir – debris near hatch.

Photo 27: Balcom Canyon Reservoir – interior.

Photo 28: Balcom Canyon Reservoir – agriculture spraying helicopter flying overhead.

Photo 29: Greentree Reservoir 1 and 2 site.

Photo 30: Greentree Reservoir 1 and 2 – roofs with corrosion where water ponds around edges.

Photo 31: Greentree Reservoir 1 and 2 – gap in screen at center air vent.

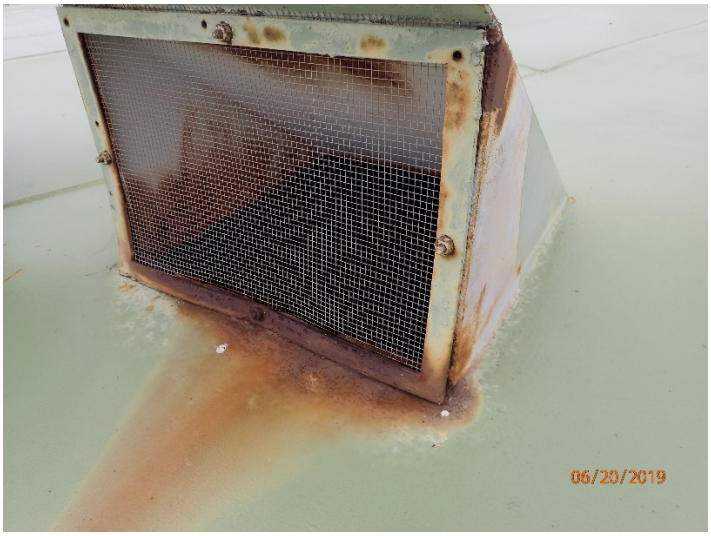

Photo 32: Greentree Reservoir 1 and 2 – corrosion around air vents and screens nearing useful life.

Photo 33: Greentree Reservoir 1 and 2 – interior.

Photo 34: Greentree Reservoir 1 and 2 – backup generator and housed booster pumps.

Photo 35: Greentree Reservoir 1 and 2 – housed booster pumps.

Photo 36: Sand Canyon booster pump station.

Enclosure 3

Last and Next Sample Table (December 2019)

LAST SAMPLE DATE AND MONITORING SCHEDULE

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: 001 NAME: WELL 02 CLASS: SA56 STATUS: Active

PSCODE		GROUP/CONSTITUENT IDENTIFICATION			LAST RESULT	UNITS	MCL	DLR	LAST SAMPLE	COUNT	FREQ MONTHS	MOD	NEXT SAMPLE DUE	NOTES
5610015 - 001		**VENTURA CWWD NO. 19 - SOMIS**			**001**	**WELL 02**								
	GP	**SECONDARY/GP**												
		82383	AGGRSSIVE INDEX (CORROSIVITY)		12.0		--------	--------	2019/08/07	9	36	M	2022/08	
		00440	BICARBONATE ALKALINITY		260	MG/L	--------	--------	2019/08/07	12	36		2022/08	
		00916	CALCIUM		75	MG/L	--------	--------	2019/08/07	14	36		2022/08	
		00445	CARBONATE ALKALINITY	<	10	MG/L	--------	--------	2019/08/07	12	36		2022/08	
		00940	CHLORIDE		16	MG/L	500	--------	2019/08/07	14	36		2022/08	
		00081	COLOR		10	UNITS	15	--------	2019/08/07	12	36		2022/08	
		01042	COPPER	<	50	UG/L	1000	50	2019/08/07	13	36		2022/08	
		38260	FOAMING AGENTS (MBAS)	<	0.05	MG/L	.5	--------	2019/08/07	14	36		2022/08	
		00900	HARDNESS (TOTAL) AS CACO3		294	MG/L	--------	--------	2019/08/07	14	36		2022/08	
		71830	HYDROXIDE ALKALINITY	<	10	MG/L	--------	--------	2019/08/07	12	36		2022/08	
		01045	IRON		280	UG/L	300	100	2019/11/19	29	3	M	2020/02	
		00927	MAGNESIUM		26	MG/L	--------	--------	2019/08/07	14	36		2022/08	
		01055	MANGANESE		150	UG/L	50	20	2019/11/19	29	3	M	2020/02	
		00086	ODOR THRESHOLD @ 60 C	<	1	TON	3	1	2019/08/07	13	36		2022/08	
		00403	PH, LABORATORY		7.4		--------	--------	2019/08/07	15	36		2022/08	
		01077	SILVER	<	10	UG/L	100	10	2019/08/07	14	36		2022/08	
		00929	SODIUM		59	MG/L	--------	--------	2019/08/07	14	36		2022/08	
		00095	SPECIFIC CONDUCTANCE		855	US	1600	--------	2019/08/07	15	36		2022/08	
		00945	SULFATE		199	MG/L	500	.5	2019/08/07	14	36		2022/08	
		70300	TOTAL DISSOLVED SOLIDS		550	MG/L	1000	--------	2019/08/07	14	36		2022/08	
		82079	TURBIDITY, LABORATORY		0.8	NTU	5	.1	2019/08/07	12	36		2022/08	
		01092	ZINC	<	50	UG/L	5000	50	2019/08/07	14	36		2022/08	
	IO	**INORGANIC**												
		01105	ALUMINUM	<	50	UG/L	1000	50	2019/08/07	15	36		2022/08	

LAST SAMPLE DATE AND MONITORING SCHEDULE

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: NAME: WELL 02 CLASS: SA56 STATUS: Active

PSCODE		GROUP/CONSTITUENT IDENTIFICATION			LAST RESULT	UNITS	MCL	DLR	LAST SAMPLE	COUNT	FREQ MONTHS	MOD	NEXT SAMPLE DUE	NOTES
5610015 - 001	**IO**	**INORGANIC**												
		01097	ANTIMONY	<	6	UG/L	6	6	2019/08/07	11	36		2022/08	
		01002	ARSENIC	<	2	UG/L	10	2	2019/08/07	14	36		2022/08	
		81855	ASBESTOS		ND	MFL	7	.2	2017/08/01	4	108	M	2026/08	
		01007	BARIUM	<	100	UG/L	1000	100	2019/08/07	14	36		2022/08	
		01012	BERYLLIUM	<	1	UG/L	4	1	2019/08/07	11	36		2022/08	
		01027	CADMIUM	<	1	UG/L	5	1	2019/08/07	14	36		2022/08	
		01034	CHROMIUM (TOTAL)	<	10	UG/L	50	10	2019/08/07	15	36		2022/08	
		01291	CYANIDE	<	100	UG/L	150	100	2019/08/07	7	108	M	2028/08	
		00951	FLUORIDE (F) (NATURAL-SOURCE)		0.3	MG/L	2	.1	2019/08/07	14	36		2022/08	
		01051	LEAD	<	5	UG/L	--------	5	2019/08/07	13	36		2022/08	
		71900	MERCURY	<	1	UG/L	2	1	2019/08/07	14	36		2022/08	
		01067	NICKEL	<	10	UG/L	100	10	2019/08/07	11	36		2022/08	
		A-031	PERCHLORATE	<	4	UG/L	6	4	2019/08/07	5	36		2022/08	
		01147	SELENIUM	<	5	UG/L	50	5	2019/08/07	14	36		2022/08	
		01059	THALLIUM	<	1	UG/L	2	1	2019/08/07	11	36		2022/08	
	NI	**NITRATE/NITRITE**												
		00618	NITRATE (AS N)	<	0.4	mg/L	10	.4	2019/08/07	27	12		2020/08	
		00620	NITRITE (AS N)	<	0.4	mg/L	1	.4	2019/08/07	11	36		2022/08	
	RA	**RADIOLOGICAL**												
		01501	GROSS ALPHA		1.18	PCI/L	15	3	2017/08/01	21	108	M	2026/08	
	S1	**REGULATED VOC**												
		34506	1,1,1-TRICHLOROETHANE	<	0.5	UG/L	200	.5	2019/08/07	10	72		2025/08	
		34516	1,1,2,2-TETRACHLOROETHANE	<	0.5	UG/L	1	.5	2019/08/07	10	72		2025/08	
		34511	1,1,2-TRICHLOROETHANE	<	0.5	UG/L	5	.5	2019/08/07	10	72		2025/08	
		34496	1,1-DICHLOROETHANE	<	0.5	UG/L	5	.5	2019/08/07	10	72		2025/08	
		34501	1,1-DICHLOROETHYLENE	<	0.5	UG/L	6	.5	2019/08/07	10	72		2025/08	

LAST SAMPLE DATE AND MONITORING SCHEDULE

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: NAME: WELL 02 CLASS: SA56 STATUS: Active

5610015 - 001	**S1**	34551	1,2,4-TRICHLOROBENZENE	<	0.5	UG/L	5	.5	2019/08/07	9	72		2025/08	
		34536	1,2-DICHLOROBENZENE	<	0.5	UG/L	600	.5	2019/08/07	10	72		2025/08	
		34531	1,2-DICHLOROETHANE	<	0.5	UG/L	.5	.5	2019/08/07	10	72		2025/08	
		34541	1,2-DICHLOROPROPANE	<	0.5	UG/L	5	.5	2019/08/07	10	72		2025/08	
		34561	1,3-DICHLOROPROPENE (TOTAL)	<	0.5	UG/L	.5	.5	2019/08/07	9	72		2025/08	
		34571	1,4-DICHLOROBENZENE	<	0.5	UG/L	5	.5	2019/08/07	10	72		2025/08	
		34030	BENZENE	<	0.5	UG/L	1	.5	2019/08/07	10	72		2025/08	
		32102	CARBON TETRACHLORIDE	<	0.5	UG/L	.5	.5	2019/08/07	10	72		2025/08	
		77093	CIS-1,2-DICHLOROETHYLENE	<	0.5	UG/L	6	.5	2019/08/07	9	72		2025/08	
		34423	DICHLOROMETHANE	<	0.5	UG/L	5	.5	2019/08/07	10	72		2025/08	
		34371	ETHYL BENZENE	<	0.5	UG/L	300	.5	2019/08/07	10	72		2025/08	
		46491	METHYL-TERT-BUTYL-ETHER (MTBE)	<	3.0	UG/L	13	3	2019/08/07	7	72		2025/08	
		34301	MONOCHLOROBENZENE	<	0.5	UG/L	70	.5	2019/08/07	10	72		2025/08	
		77128	STYRENE	<	0.5	UG/L	100	.5	2019/08/07	10	72		2025/08	
		34475	TETRACHLOROETHYLENE	<	0.5	UG/L	5	.5	2019/08/07	10	72		2025/08	
		34010	TOLUENE	<	0.5	UG/L	150	.5	2019/08/07	10	72		2025/08	
		34546	TRANS-1,2-DICHLOROETHYLENE	<	0.5	UG/L	10	.5	2019/08/07	10	72		2025/08	
		39180	TRICHLOROETHYLENE	<	0.5	UG/L	5	.5	2019/08/07	10	72		2025/08	
		34488	TRICHLOROFLUOROMETHANE FREON 11	<	5	UG/L	150	5	2019/08/07	10	72		2025/08	
		81611	TRICHLOROTRIFLUOROETHANE (FREON 113)	<	10	UG/L	1200	10	2019/08/07	9	72		2025/08	
		39175	VINYL CHLORIDE	<	0.5	UG/L	.5	.5	2019/08/07	10	72		2025/08	
		81551	XYLENES (TOTAL)	<	0.5	UG/L	1750	0.5	2019/08/07	10	72		2025/08	
	S2	**REGULATED SOC**												
		77443	1,2,3-TRICHLOROPROPANE (1,2,3-TCP)	<	0.005	UG/L	0.005	0.005	2019/04/29	4	36		2022/04	
		39033	ATRAZINE	<	0.5	UG/L	1	.5	2017/08/01	7	108		2026/08	
		39055	SIMAZINE	<	1	UG/L	4	1	2017/08/01	7	108		2026/08	

LAST SAMPLE DATE AND MONITORING SCHEDULE

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: 002 NAME: WELL 03 CLASS: SA56 STATUS: Active

PSCODE		GROUP/CONSTITUENT IDENTIFICATION			LAST RESULT	UNITS	MCL	DLR	LAST SAMPLE	COUNT	FREQ MONTHS	MOD	NEXT SAMPLE DUE	NOTES
5610015 - 002		**VENTURA CWWD NO. 19 - SOMIS**			**002**	**WELL 03**								
	GP	**SECONDARY/GP**												
		82383	AGGRSSIVE INDEX (CORROSIVITY)		11.8		--------	--------	2019/08/07	8	36	M	2022/08	
		00440	BICARBONATE ALKALINITY		190	MG/L	--------	--------	2019/08/07	11	36		2022/08	
		00916	CALCIUM		67	MG/L	--------	--------	2019/08/07	13	36		2022/08	
		00445	CARBONATE ALKALINITY	<	10	MG/L	--------	--------	2019/08/07	11	36		2022/08	
		00940	CHLORIDE		12	MG/L	500	--------	2019/08/07	13	36		2022/08	
		00081	COLOR	<	5	UNITS	15	--------	2019/08/07	11	36		2022/08	
		01042	COPPER	<	50	UG/L	1000	50	2019/08/07	12	36		2022/08	
		38260	FOAMING AGENTS (MBAS)	<	0.05	MG/L	.5	--------	2019/08/07	12	36		2022/08	
		00900	HARDNESS (TOTAL) AS CACO3		233	MG/L	--------	--------	2019/08/07	13	36		2022/08	
		71830	HYDROXIDE ALKALINITY	<	10	MG/L	--------	--------	2019/08/07	11	36		2022/08	
		01045	IRON		240	UG/L	300	100	2019/11/21	19	3	M	2020/02	
		00927	MAGNESIUM		16	MG/L	--------	--------	2019/08/07	13	36		2022/08	
		01055	MANGANESE		120	UG/L	50	20	2019/11/21	19	3	M	2020/02	
		00086	ODOR THRESHOLD @ 60 C	<	1	TON	3	1	2019/08/07	11	36		2022/08	
		00403	PH, LABORATORY		7.4		--------	--------	2019/08/07	13	36		2022/08	
		01077	SILVER	<	10	UG/L	100	10	2019/08/07	12	36		2022/08	
		00929	SODIUM		34	MG/L	--------	--------	2019/08/07	13	36		2022/08	
		00095	SPECIFIC CONDUCTANCE		527	US	1600	--------	2019/08/07	13	36		2022/08	
		00945	SULFATE		90.8	MG/L	500	.5	2019/08/07	13	36		2022/08	
		70300	TOTAL DISSOLVED SOLIDS		340	MG/L	1000	--------	2019/08/07	13	36		2022/08	
		82079	TURBIDITY, LABORATORY		0.8	NTU	5	.1	2019/08/07	11	36		2022/08	
		01092	ZINC	<	50	UG/L	5000	50	2019/08/07	13	36		2022/08	
	IO	**INORGANIC**												
		01105	ALUMINUM	<	50	UG/L	1000	50	2019/08/07	14	36		2022/08	

LAST SAMPLE DATE AND MONITORING SCHEDULE

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: NAME: WELL 03 CLASS: SA56 STATUS: Active

PSCODE		GROUP/CONSTITUENT IDENTIFICATION			LAST RESULT	UNITS	MCL	DLR	LAST SAMPLE	COUNT	FREQ MONTHS	MOD	NEXT SAMPLE DUE	NOTES
5610015 - 002	IO	INORGANIC												
		01097	ANTIMONY	<	6	UG/L	6	6	2019/08/07	10	36		2022/08	
		01002	ARSENIC	<	2	UG/L	10	2	2019/08/07	13	36		2022/08	
		81855	ASBESTOS		ND	MFL	7	.2	2017/08/01	4	108	M	2026/08	
		01007	BARIUM	<	100	UG/L	1000	100	2019/08/07	13	36		2022/08	
		01012	BERYLLIUM	<	1	UG/L	4	1	2019/08/07	10	36		2022/08	
		01027	CADMIUM	<	1	UG/L	5	1	2019/08/07	13	36		2022/08	
		01034	CHROMIUM (TOTAL)	<	10	UG/L	50	10	2019/08/07	14	36		2022/08	
		01291	CYANIDE	<	100	UG/L	150	100	2019/08/07	7	108	M	2028/08	
		00951	FLUORIDE (F) (NATURAL-SOURCE)		0.3	MG/L	2	.1	2019/08/07	13	36		2022/08	
		01051	LEAD	<	5	UG/L	--------	5	2019/08/07	12	36		2022/08	
		71900	MERCURY	<	1	UG/L	2	1	2019/08/07	13	36		2022/08	
		01067	NICKEL	<	10	UG/L	100	10	2019/08/07	10	36		2022/08	
		A-031	PERCHLORATE	<	4	UG/L	6	4	2019/08/07	5	36		2022/08	
		01147	SELENIUM	<	5	UG/L	50	5	2019/08/07	13	36		2022/08	
		01059	THALLIUM	<	1	UG/L	2	1	2019/08/07	10	36		2022/08	
	NI	NITRATE/NITRITE												
		00618	NITRATE (AS N)	<	0.4	mg/L	10	.4	2019/08/07	24	12		2020/08	
		00620	NITRITE (AS N)	<	0.4	mg/L	1	.4	2019/08/07	10	36		2022/08	
	RA	RADIOLOGICAL												
		01501	GROSS ALPHA		1.09	PCI/L	15	3	2017/08/01	18	108	M	2026/08	
	S1	REGULATED VOC												
		34506	1,1,1-TRICHLOROETHANE	<	0.5	UG/L	200	.5	2019/08/07	12	72		2025/08	
		34516	1,1,2,2-TETRACHLOROETHANE	<	0.5	UG/L	1	.5	2019/08/07	12	72		2025/08	
		34511	1,1,2-TRICHLOROETHANE	<	0.5	UG/L	5	.5	2019/08/07	12	72		2025/08	
		34496	1,1-DICHLOROETHANE	<	0.5	UG/L	5	.5	2019/08/07	12	72		2025/08	
		34501	1,1-DICHLOROETHYLENE	<	0.5	UG/L	6	.5	2019/08/07	12	72		2025/08	

LAST SAMPLE DATE AND MONITORING SCHEDULE

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: NAME: WELL 03 CLASS: SA56 STATUS: Active

5610015 - 002	**S1**	34551	1,2,4-TRICHLOROBENZENE	<	0.5	UG/L	5	.5	2019/08/07	10	72		2025/08	
		34536	1,2-DICHLOROBENZENE	<	0.5	UG/L	600	.5	2019/08/07	12	72		2025/08	
		34531	1,2-DICHLOROETHANE	<	0.5	UG/L	.5	.5	2019/08/07	12	72		2025/08	
		34541	1,2-DICHLOROPROPANE	<	0.5	UG/L	5	.5	2019/08/07	12	72		2025/08	
		34561	1,3-DICHLOROPROPENE (TOTAL)	<	0.5	UG/L	.5	.5	2019/08/07	10	72		2025/08	
		34571	1,4-DICHLOROBENZENE	<	0.5	UG/L	5	.5	2019/08/07	12	72		2025/08	
		34030	BENZENE	<	0.5	UG/L	1	.5	2019/08/07	12	72		2025/08	
		32102	CARBON TETRACHLORIDE	<	0.5	UG/L	.5	.5	2019/08/07	12	72		2025/08	
		77093	CIS-1,2-DICHLOROETHYLENE	<	0.5	UG/L	6	.5	2019/08/07	10	72		2025/08	
		34423	DICHLOROMETHANE	<	0.5	UG/L	5	.5	2019/08/07	12	72		2025/08	
		34371	ETHYL BENZENE	<	0.5	UG/L	300	.5	2019/08/07	12	72		2025/08	
		46491	METHYL-TERT-BUTYL-ETHER (MTBE)	<	3.0	UG/L	13	3	2019/08/07	8	72		2025/08	
		34301	MONOCHLOROBENZENE	<	0.5	UG/L	70	.5	2019/08/07	12	72		2025/08	
		77128	STYRENE	<	0.5	UG/L	100	.5	2019/08/07	12	72		2025/08	
		34475	TETRACHLOROETHYLENE	<	0.5	UG/L	5	.5	2019/08/07	12	72		2025/08	
		34010	TOLUENE	<	0.5	UG/L	150	.5	2019/08/07	12	72		2025/08	
		34546	TRANS-1,2-DICHLOROETHYLENE	<	0.5	UG/L	10	.5	2019/08/07	12	72		2025/08	
		39180	TRICHLOROETHYLENE	<	0.5	UG/L	5	.5	2019/08/07	12	72		2025/08	
		34488	TRICHLOROFLUOROMETHANE FREON 11	<	5	UG/L	150	5	2019/08/07	12	72		2025/08	
		81611	TRICHLOROTRIFLUOROETHANE (FREON 113)	<	10	UG/L	1200	10	2019/08/07	10	72		2025/08	
		39175	VINYL CHLORIDE	<	0.5	UG/L	.5	.5	2019/08/07	12	72		2025/08	
		81551	XYLENES (TOTAL)	<	0.5	UG/L	1750	0.5	2019/08/07	12	72		2025/08	
	S2	**REGULATED SOC**												
		77443	1,2,3-TRICHLOROPROPANE (1,2,3-TCP)	<	0.005	UG/L	0.005	0.005	2019/04/29	4	36		2022/04	
		39033	ATRAZINE	<	0.5	UG/L	1	.5	2017/08/01	8	108		2026/08	
		39055	SIMAZINE	<	1	UG/L	4	1	2017/08/01	8	108		2026/08	

LAST SAMPLE DATE AND MONITORING SCHEDULE

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: 007 NAME: WELL 4 CLASS: LARG STATUS: Active

PSCODE		GROUP/CONSTITUENT IDENTIFICATION			LAST RESULT	UNITS	MCL	DLR	LAST SAMPLE	COUNT	FREQ MONTHS	MOD	NEXT SAMPLE DUE	NOTES
5610015 - 007		**VENTURA CWWD NO. 19 - SOMIS**			**007**	**WELL 4**								
	GP	**SECONDARY/GP**												
		82383	AGGRSSIVE INDEX (CORROSIVITY)		12.5		--------	--------	2019/08/07	5	36	M	2022/08	
		00440	BICARBONATE ALKALINITY		280	MG/L	--------	--------	2019/08/07	5	36		2022/08	
		00916	CALCIUM		264	MG/L	--------	--------	2019/08/07	5	36		2022/08	
		00445	CARBONATE ALKALINITY	<	10	MG/L	--------	--------	2019/08/07	5	36		2022/08	
		00940	CHLORIDE		173	MG/L	500	--------	2019/08/07	5	36		2022/08	
		00081	COLOR		20	UNITS	15	--------	2019/08/07	5	36		2022/08	
		01042	COPPER	<	50	UG/L	1000	50	2019/08/07	5	36		2022/08	
		38260	FOAMING AGENTS (MBAS)	<	0.05	MG/L	.5	--------	2019/08/07	5	36		2022/08	
		00900	HARDNESS (TOTAL) AS CACO3		860	MG/L	--------	--------	2019/08/07	5	36		2022/08	
		71830	HYDROXIDE ALKALINITY	<	10	MG/L	--------	--------	2019/08/07	5	36		2022/08	
		01045	IRON		1040	UG/L	300	100	2019/11/29	400	1	M	2019/12	**DUE NOW**
		00927	MAGNESIUM		49	MG/L	--------	--------	2019/08/07	5	36		2022/08	
		01055	MANGANESE		480	UG/L	50	20	2019/11/29	400	1	M	2019/12	**DUE NOW**
		00086	ODOR THRESHOLD @ 60 C	<	1	TON	3	1	2019/08/07	5	36		2022/08	
		00403	PH, LABORATORY		7.3		--------	--------	2019/08/07	4	36		2022/08	
		01077	SILVER	<	10	UG/L	100	10	2019/08/07	5	36		2022/08	
		00929	SODIUM		150	MG/L	--------	--------	2019/08/07	5	36		2022/08	
		00095	SPECIFIC CONDUCTANCE		2150	US	1600	--------	2019/08/07	5	36		2022/08	
		00945	SULFATE		677	MG/L	500	.5	2019/08/07	5	36		2022/08	
		70300	TOTAL DISSOLVED SOLIDS		1580	MG/L	1000	--------	2019/08/07	5	36		2022/08	
		82079	TURBIDITY, LABORATORY		8.8	NTU	5	.1	2019/08/07	5	36		2022/08	
		01092	ZINC	<	50	UG/L	5000	50	2019/08/07	5	36		2022/08	
	IO	**INORGANIC**												
		01105	ALUMINUM	<	50	UG/L	1000	50	2019/08/07	5	36		2022/08	

LAST SAMPLE DATE AND MONITORING SCHEDULE

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: NAME: WELL 4 CLASS: LARG STATUS: Active

PSCODE		GROUP/CONSTITUENT IDENTIFICATION			LAST RESULT	UNITS	MCL	DLR	LAST SAMPLE	COUNT	FREQ MONTHS	MOD	NEXT SAMPLE DUE	NOTES
5610015 - 007	**IO**	**INORGANIC**												
		01097	ANTIMONY	<	6	UG/L	6	6	2019/08/07	5	36		2022/08	
		01002	ARSENIC	<	2	UG/L	10	2	2019/08/07	5	36		2022/08	
		81855	ASBESTOS		ND	MFL	7	.2	2017/08/01	1	108	M	2026/08	
		01007	BARIUM	<	100	UG/L	1000	100	2019/08/07	5	36		2022/08	
		01012	BERYLLIUM	<	1	UG/L	4	1	2019/08/07	5	36		2022/08	
		01027	CADMIUM	<	1	UG/L	5	1	2019/08/07	5	36		2022/08	
		01034	CHROMIUM (TOTAL)	<	10	UG/L	50	10	2019/08/07	5	36		2022/08	
		01291	CYANIDE	<	100	UG/L	150	100	2019/08/07	4	108	M	2028/08	
		00951	FLUORIDE (F) (NATURAL-SOURCE)		0.2	MG/L	2	.1	2019/08/07	5	36		2022/08	
		01051	LEAD	<	5	UG/L	--------	5	2019/08/07	5	36		2022/08	
		71900	MERCURY	<	1	UG/L	2	1	2019/08/07	5	36		2022/08	
		01067	NICKEL	<	10	UG/L	100	10	2019/08/07	5	36		2022/08	
		A-031	PERCHLORATE	<	4	UG/L	6	4	2019/08/07	6	36		2022/08	
		01147	SELENIUM	<	5	UG/L	50	5	2019/08/07	5	36		2022/08	
		01059	THALLIUM	<	1	UG/L	2	1	2019/08/07	5	36		2022/08	
	NI	**NITRATE/NITRITE**												
		00618	NITRATE (AS N)	<	0.4	mg/L	10	.4	2019/08/07	10	12		2020/08	
		00620	NITRITE (AS N)	<	0.4	mg/L	1	.4	2019/08/07	5	36		2022/08	
	RA	**RADIOLOGICAL**												
		01501	GROSS ALPHA		5.61	PCI/L	15	3	2017/08/01	4	72	M	2023/08	
	S1	**REGULATED VOC**												
		34506	1,1,1-TRICHLOROETHANE	<	0.5	UG/L	200	.5	2019/08/07	5	72	M	2025/08	
		34516	1,1,2,2-TETRACHLOROETHANE	<	0.5	UG/L	1	.5	2019/08/07	5	72	M	2025/08	
		34511	1,1,2-TRICHLOROETHANE	<	0.5	UG/L	5	.5	2019/08/07	5	72	M	2025/08	
		34496	1,1-DICHLOROETHANE	<	0.5	UG/L	5	.5	2019/08/07	5	72	M	2025/08	
		34501	1,1-DICHLOROETHYLENE	<	0.5	UG/L	6	.5	2019/08/07	5	72	M	2025/08	

LAST SAMPLE DATE AND MONITORING SCHEDULE

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: NAME: WELL 4 CLASS: LARG STATUS: Active

5610015 - 007	**S1**	34551	1,2,4-TRICHLOROBENZENE	<	0.5	UG/L	5	.5	2019/08/07	5	72	M	2025/08	
		34536	1,2-DICHLOROBENZENE	<	0.5	UG/L	600	.5	2019/08/07	5	72	M	2025/08	
		34531	1,2-DICHLOROETHANE	<	0.5	UG/L	.5	.5	2019/08/07	5	72	M	2025/08	
		34541	1,2-DICHLOROPROPANE	<	0.5	UG/L	5	.5	2019/08/07	5	72	M	2025/08	
		34561	1,3-DICHLOROPROPENE (TOTAL)	<	0.5	UG/L	.5	.5	2019/08/07	5	72	M	2025/08	
		34571	1,4-DICHLOROBENZENE	<	0.5	UG/L	5	.5	2019/08/07	5	72	M	2025/08	
		34030	BENZENE	<	0.5	UG/L	1	.5	2019/08/07	5	72	M	2025/08	
		32102	CARBON TETRACHLORIDE	<	0.5	UG/L	.5	.5	2019/08/07	5	72	M	2025/08	
		77093	CIS-1,2-DICHLOROETHYLENE	<	0.5	UG/L	6	.5	2019/08/07	5	72	M	2025/08	
		34423	DICHLOROMETHANE	<	0.5	UG/L	5	.5	2019/08/07	5	72	M	2025/08	
		34371	ETHYL BENZENE	<	0.5	UG/L	300	.5	2019/08/07	5	72	M	2025/08	
		46491	METHYL-TERT-BUTYL-ETHER (MTBE)	<	3.0	UG/L	13	3	2019/08/07	5	72	M	2025/08	
		34301	MONOCHLOROBENZENE	<	0.5	UG/L	70	.5	2019/08/07	5	72	M	2025/08	
		77128	STYRENE	<	0.5	UG/L	100	.5	2019/08/07	5	72	M	2025/08	
		34475	TETRACHLOROETHYLENE	<	0.5	UG/L	5	.5	2019/08/07	5	72	M	2025/08	
		34010	TOLUENE	<	0.5	UG/L	150	.5	2019/08/07	5	72	M	2025/08	
		34546	TRANS-1,2-DICHLOROETHYLENE	<	0.5	UG/L	10	.5	2019/08/07	5	72	M	2025/08	
		39180	TRICHLOROETHYLENE	<	0.5	UG/L	5	.5	2019/08/07	5	72	M	2025/08	
		34488	TRICHLOROFLUOROMETHANE FREON 11	<	5	UG/L	150	5	2019/08/07	5	72	M	2025/08	
		81611	TRICHLOROTRIFLUOROETHANE (FREON 113)	<	10	UG/L	1200	10	2019/08/07	5	72	M	2025/08	
		39175	VINYL CHLORIDE	<	0.5	UG/L	.5	.5	2019/08/07	5	72	M	2025/08	
		81551	XYLENES (TOTAL)	<	0.5	UG/L	1750	0.5	2019/08/07	5	72	M	2025/08	
	S2	**REGULATED SOC**												
		77443	1,2,3-TRICHLOROPROPANE (1,2,3-TCP)	<	0.005	UG/L	0.005	0.005	2018/10/08	4	36		2021/10	
		39033	ATRAZINE	<	0.5	UG/L	1	.5	2017/08/01	2	108		2026/08	
		39055	SIMAZINE	<	1	UG/L	4	1	2017/08/01	2	108		2026/08	

LAST SAMPLE DATE AND MONITORING SCHEDULE

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: 008 NAME: WELL 4 FE/MN TP EFFLUENT CLASS: DEAD STATUS: Active

PSCODE		GROUP/CONSTITUENT IDENTIFICATION			LAST RESULT	UNITS	MCL	DLR	LAST SAMPLE	COUNT	FREQ MONTHS	MOD	NEXT SAMPLE DUE	NOTES
5610015 - 008		**VENTURA CWWD NO. 19 - SOMIS**			**008**	**WELL 4 FE/MN TP EFFLUENT**								
	GP	**SECONDARY/GP**												
		01045	IRON	<	100	UG/L	300	100	2019/11/29	387	1	M	2019/12	**DUE NOW**
		01055	MANGANESE	<	20	UG/L	50	20	2019/11/29	387	1	M	2019/12	**DUE NOW**

LAST SAMPLE DATE AND MONITORING SCHEDULE

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: 010 NAME: (19-2), 5501 BALCOM CANYON RD -STG2 DBP CLASS: DBPA STATUS: Active

PSCODE		GROUP/CONSTITUENT IDENTIFICATION			LAST RESULT	UNITS	MCL	DLR	LAST SAMPLE	COUNT	FREQ MONTHS	MOD	NEXT SAMPLE DUE	NOTES
5610015 - 010		**VENTURA CWWD NO. 19 - SOMIS**			**010**	**(19-2), 5501 BALCOM CANYON RD -STG2 DBP**								
	DBP	**DISINFECTION BYPRODUCTS**												
		32101	BROMODICHLOROMETHANE (THM)		3	UG/L	--------	1	2019/02/01	8	12		2020/02	
		32104	BROMOFORM (THM)		30	UG/L	--------	1	2019/02/01	8	12		2020/02	
		32106	CHLOROFORM (THM)		1	UG/L	--------	1	2019/02/01	8	12		2020/02	
		82721	DIBROMOACETIC ACID (DBAA)		6	UG/L	--------	1	2019/02/01	8	12		2020/02	
		32105	DIBROMOCHLOROMETHANE (THM)		8	UG/L	--------	1	2019/02/01	8	12		2020/02	
		77288	DICHLOROACETIC ACID (DCAA)	<	1	UG/L	--------	1	2019/02/01	8	12		2020/02	
		A-049	HALOACETIC ACIDS (5) (HAA5)		7	UG/L	60	--------	2019/02/01	8	12		2020/02	
		A-041	MONOBROMOACETIC ACID (MBAA)		1	UG/L	--------	1	2019/02/01	8	12		2020/02	
		A-042	MONOCHLOROACETIC ACID (MCAA)	<	2	UG/L	--------	2	2019/02/01	8	12		2020/02	
		82080	TOTAL TRIHALOMETHANES		42	UG/L	80	--------	2019/02/01	8	12		2020/02	
		82723	TRICHLOROACETIC ACID (TCAA)	<	1	UG/L	--------	1	2019/02/01	8	12		2020/02	

LAST SAMPLE DATE AND MONITORING SCHEDULE

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: 011 NAME: (19-7), 6648 LOS ANGELES AVE - STG 2 DBP CLASS: DBPA STATUS: Active

PSCODE		GROUP/CONSTITUENT IDENTIFICATION			LAST RESULT	UNITS	MCL	DLR	LAST SAMPLE	COUNT	FREQ MONTHS	MOD	NEXT SAMPLE DUE	NOTES
5610015 - 011		**VENTURA CWWD NO. 19 - SOMIS**			**011**	**(19-7), 6648 LOS ANGELES AVE - STG 2 DBP**								
	DBP	**DISINFECTION BYPRODUCTS**												
		32101	BROMODICHLOROMETHANE (THM)		2	UG/L	--------	1	2019/02/01	8	12		2020/02	
		32104	BROMOFORM (THM)		2	UG/L	--------	1	2019/02/01	8	12		2020/02	
		32106	CHLOROFORM (THM)		2	UG/L	--------	1	2019/02/01	8	12		2020/02	
		82721	DIBROMOACETIC ACID (DBAA)	<	1	UG/L	--------	1	2019/02/01	8	12		2020/02	
		32105	DIBROMOCHLOROMETHANE (THM)		3	UG/L	--------	1	2019/02/01	8	12		2020/02	
		77288	DICHLOROACETIC ACID (DCAA)	<	1	UG/L	--------	1	2019/02/01	8	12		2020/02	
		A-049	HALOACETIC ACIDS (5) (HAA5)		1	UG/L	60	--------	2019/02/01	8	12		2020/02	
		A-041	MONOBROMOACETIC ACID (MBAA)	<	1	UG/L	--------	1	2019/02/01	8	12		2020/02	
		A-042	MONOCHLOROACETIC ACID (MCAA)	<	2	UG/L	--------	2	2019/02/01	8	12		2020/02	
		82080	TOTAL TRIHALOMETHANES		9	UG/L	80	--------	2019/02/01	8	12		2020/02	
		82723	TRICHLOROACETIC ACID (TCAA)		1	UG/L	--------	1	2019/02/01	8	12		2020/02	

Enclosure 4

Iron and Manganese Monitoring Results

STATE OF CALIFORNIA
DRINKING WATER ANALYSES RESULTS REPORT
ALL SAMPLES FOR SELECTED CHAPTER 15 GROUPS - ALL RESULTS
FOR SAMPLE DATE RANGE OF 20170101 THRU 20991231
REPORT OF SYSTEM: 5610015

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: 001 NAME: WELL 02 CLASS: SA56 STATUS: A

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015001		**5610015**	**VENTURA CWWD NO. 19 - SOMIS**	**001**		**WELL 02**					
	GP	SECONDARY/GP									
		01045	IRON	2017/08/01		270		300	100	300.000	UG/L
		01045	IRON	2017/11/01		300		300	100	300.000	UG/L
		01045	IRON	2018/08/14		710	*	300	100	300.000	UG/L
		01045	IRON	2018/08/29		330	*	300	100	300.000	UG/L
		01045	IRON	2018/11/05		390	*	300	100	300.000	UG/L
		01045	IRON	2019/05/01		280		300	100	300.000	UG/L
		01045	IRON	2019/08/07		250		300	100	300.000	UG/L
		01045	IRON	2019/11/19		280		300	100	300.000	UG/L
		01055	MANGANESE	2017/08/01		132	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/11/01		150	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/08/14		160	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/08/29		134	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/11/05		150	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/05/01		130	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/08/07		140	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/11/19		150	*	50	20	50.000	UG/L

STATE OF CALIFORNIA
DRINKING WATER ANALYSES RESULTS REPORT
ALL SAMPLES FOR SELECTED CHAPTER 15 GROUPS - ALL RESULTS
FOR SAMPLE DATE RANGE OF 20170101 THRU 20991231
REPORT OF SYSTEM: 5610015

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: 002 NAME: WELL 03 CLASS: SA56 STATUS: A

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015002		**5610015**	**VENTURA CWWD NO. 19 - SOMIS**	**002**		**WELL 03**					
	GP	SECONDARY/GP									
		01045	IRON	2017/08/01		190		300	100	300.000	UG/L
		01045	IRON	2018/08/01		210		300	100	300.000	UG/L
		01045	IRON	2018/11/05		200		300	100	300.000	UG/L
		01045	IRON	2019/05/01		190		300	100	300.000	UG/L
		01045	IRON	2019/08/07		230		300	100	300.000	UG/L
		01045	IRON	2019/11/21		240		300	100	300.000	UG/L
		01055	MANGANESE	2017/08/01		102	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/08/01		100	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/11/05		110	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/05/01		100	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/08/07		110	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/11/21		120	*	50	20	50.000	UG/L

STATE OF CALIFORNIA
DRINKING WATER ANALYSES RESULTS REPORT
ALL SAMPLES FOR SELECTED CHAPTER 15 GROUPS - ALL RESULTS
FOR SAMPLE DATE RANGE OF 20170101 THRU 20991231
REPORT OF SYSTEM: 5610015

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: 007 NAME: WELL 4 CLASS: LARG STATUS: A

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015007		**5610015**	**VENTURA CWWD NO. 19 - SOMIS**	**007**		**WELL 4**					
	GP	SECONDARY/GP									
		01045	IRON	2017/01/03		970	*	300	100	300.000	UG/L
		01045	IRON	2017/01/09		910	*	300	100	300.000	UG/L
		01045	IRON	2017/01/19		1070	*	300	100	300.000	UG/L
		01045	IRON	2017/01/23		1040	*	300	100	300.000	UG/L
		01045	IRON	2017/01/30		980	*	300	100	300.000	UG/L
		01045	IRON	2017/02/09		970	*	300	100	300.000	UG/L
		01045	IRON	2017/02/13		1050	*	300	100	300.000	UG/L
		01045	IRON	2017/02/23		940	*	300	100	300.000	UG/L
		01045	IRON	2017/02/27		1010	*	300	100	300.000	UG/L
		01045	IRON	2017/03/06		940	*	300	100	300.000	UG/L
		01045	IRON	2017/03/13		1030	*	300	100	300.000	UG/L
		01045	IRON	2017/03/22		1070	*	300	100	300.000	UG/L
		01045	IRON	2017/04/04		1020	*	300	100	300.000	UG/L
		01045	IRON	2017/04/10		970	*	300	100	300.000	UG/L
		01045	IRON	2017/04/26		1070	*	300	100	300.000	UG/L
		01045	IRON	2017/05/02		1250	*	300	100	300.000	UG/L
		01045	IRON	2017/05/10		1150	*	300	100	300.000	UG/L
		01045	IRON	2017/05/16		1100	*	300	100	300.000	UG/L
		01045	IRON	2017/05/24		890	*	300	100	300.000	UG/L
		01045	IRON	2017/05/31		460	*	300	100	300.000	UG/L
		01045	IRON	2017/06/05		780	*	300	100	300.000	UG/L
		01045	IRON	2017/06/12		1060	*	300	100	300.000	UG/L
		01045	IRON	2017/06/19		1100	*	300	100	300.000	UG/L
		01045	IRON	2017/06/26		1040	*	300	100	300.000	UG/L
		01045	IRON	2017/07/04		1090	*	300	100	300.000	UG/L
		01045	IRON	2017/07/10		940	*	300	100	300.000	UG/L
		01045	IRON	2017/07/17		1150	*	300	100	300.000	UG/L
		01045	IRON	2017/07/24		1130	*	300	100	300.000	UG/L
		01045	IRON	2017/07/31		1130	*	300	100	300.000	UG/L
		01045	IRON	2017/08/01		1070	*	300	100	300.000	UG/L
		01045	IRON	2017/08/08	<	100		300	100	300.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015007	GP	SECONDARY/GP									
		01045	IRON	2017/08/14		980	*	300	100	300.000	UG/L
		01045	IRON	2017/08/21		870	*	300	100	300.000	UG/L
		01045	IRON	2017/08/28		880	*	300	100	300.000	UG/L
		01045	IRON	2017/09/06		880	*	300	100	300.000	UG/L
		01045	IRON	2017/09/11		890	*	300	100	300.000	UG/L
		01045	IRON	2017/09/18		880	*	300	100	300.000	UG/L
		01045	IRON	2017/09/26		1030	*	300	100	300.000	UG/L
		01045	IRON	2017/10/05		1210	*	300	100	300.000	UG/L
		01045	IRON	2017/10/09		880	*	300	100	300.000	UG/L
		01045	IRON	2017/10/16		1180	*	300	100	300.000	UG/L
		01045	IRON	2017/10/23		850	*	300	100	300.000	UG/L
		01045	IRON	2017/10/30		1050	*	300	100	300.000	UG/L
		01045	IRON	2017/11/06		1030	*	300	100	300.000	UG/L
		01045	IRON	2017/11/15		950	*	300	100	300.000	UG/L
		01045	IRON	2017/11/21		1060	*	300	100	300.000	UG/L
		01045	IRON	2017/11/28		950	*	300	100	300.000	UG/L
		01045	IRON	2017/12/05		970	*	300	100	300.000	UG/L
		01045	IRON	2017/12/11		1100	*	300	100	300.000	UG/L
		01045	IRON	2018/01/02		960	*	300	100	300.000	UG/L
		01045	IRON	2018/01/09		990	*	300	100	300.000	UG/L
		01045	IRON	2018/01/17		1030	*	300	100	300.000	UG/L
		01045	IRON	2018/01/23		1130	*	300	100	300.000	UG/L
		01045	IRON	2018/01/29		1150	*	300	100	300.000	UG/L
		01045	IRON	2018/02/07		1020	*	300	100	300.000	UG/L
		01045	IRON	2018/02/15		1060	*	300	100	300.000	UG/L
		01045	IRON	2018/02/20		890	*	300	100	300.000	UG/L
		01045	IRON	2018/02/26		960	*	300	100	300.000	UG/L
		01045	IRON	2018/03/07		870	*	300	100	300.000	UG/L
		01045	IRON	2018/03/12		910	*	300	100	300.000	UG/L
		01045	IRON	2018/03/20		1100	*	300	100	300.000	UG/L
		01045	IRON	2018/03/26		970	*	300	100	300.000	UG/L
		01045	IRON	2018/04/03		760	*	300	100	300.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015007	GP	SECONDARY/GP									
		01045	IRON	2018/04/11		1070	*	300	100	300.000	UG/L
		01045	IRON	2018/04/16		1040	*	300	100	300.000	UG/L
		01045	IRON	2018/04/25		1060	*	300	100	300.000	UG/L
		01045	IRON	2018/04/30		990	*	300	100	300.000	UG/L
		01045	IRON	2018/05/08		1070	*	300	100	300.000	UG/L
		01045	IRON	2018/05/14		1040	*	300	100	300.000	UG/L
		01045	IRON	2018/05/23		1020	*	300	100	300.000	UG/L
		01045	IRON	2018/06/01		990	*	300	100	300.000	UG/L
		01045	IRON	2018/06/04		1030	*	300	100	300.000	UG/L
		01045	IRON	2018/06/11		960	*	300	100	300.000	UG/L
		01045	IRON	2018/06/18		1010	*	300	100	300.000	UG/L
		01045	IRON	2018/06/28		1030	*	300	100	300.000	UG/L
		01045	IRON	2018/07/02		1050	*	300	100	300.000	UG/L
		01045	IRON	2018/07/11		1090	*	300	100	300.000	UG/L
		01045	IRON	2018/07/16		1050	*	300	100	300.000	UG/L
		01045	IRON	2018/07/23		960	*	300	100	300.000	UG/L
		01045	IRON	2018/07/30		810	*	300	100	300.000	UG/L
		01045	IRON	2018/08/01		1050	*	300	100	300.000	UG/L
		01045	IRON	2018/08/08		1040	*	300	100	300.000	UG/L
		01045	IRON	2018/08/13		990	*	300	100	300.000	UG/L
		01045	IRON	2018/08/20		1060	*	300	100	300.000	UG/L
		01045	IRON	2018/09/21		1080	*	300	100	300.000	UG/L
		01045	IRON	2018/09/26		980	*	300	100	300.000	UG/L
		01045	IRON	2018/10/01		1080	*	300	100	300.000	UG/L
		01045	IRON	2018/10/08		840	*	300	100	300.000	UG/L
		01045	IRON	2018/10/17		970	*	300	100	300.000	UG/L
		01045	IRON	2018/10/24		1030	*	300	100	300.000	UG/L
		01045	IRON	2018/10/30		1090	*	300	100	300.000	UG/L
		01045	IRON	2018/11/14		960	*	300	100	300.000	UG/L
		01045	IRON	2018/11/19	<	100		300	100	300.000	UG/L
		01045	IRON	2018/11/26		910	*	300	100	300.000	UG/L
		01045	IRON	2018/12/03		980	*	300	100	300.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015007	GP	SECONDARY/GP									
		01045	IRON	2018/12/13		900	*	300	100	300.000	UG/L
		01045	IRON	2018/12/17		910	*	300	100	300.000	UG/L
		01045	IRON	2018/12/27		1160	*	300	100	300.000	UG/L
		01045	IRON	2019/01/03		990	*	300	100	300.000	UG/L
		01045	IRON	2019/01/09		940	*	300	100	300.000	UG/L
		01045	IRON	2019/01/16		1060	*	300	100	300.000	UG/L
		01045	IRON	2019/01/22		960	*	300	100	300.000	UG/L
		01045	IRON	2019/01/28		960	*	300	100	300.000	UG/L
		01045	IRON	2019/02/05		1030	*	300	100	300.000	UG/L
		01045	IRON	2019/02/13		920	*	300	100	300.000	UG/L
		01045	IRON	2019/02/19		840	*	300	100	300.000	UG/L
		01045	IRON	2019/02/25		970	*	300	100	300.000	UG/L
		01045	IRON	2019/03/04		1170	*	300	100	300.000	UG/L
		01045	IRON	2019/03/11		940	*	300	100	300.000	UG/L
		01045	IRON	2019/03/18		1050	*	300	100	300.000	UG/L
		01045	IRON	2019/04/01		970	*	300	100	300.000	UG/L
		01045	IRON	2019/04/09		1040	*	300	100	300.000	UG/L
		01045	IRON	2019/04/15		1010	*	300	100	300.000	UG/L
		01045	IRON	2019/04/23		910	*	300	100	300.000	UG/L
		01045	IRON	2019/04/29		1010	*	300	100	300.000	UG/L
		01045	IRON	2019/05/07		1090	*	300	100	300.000	UG/L
		01045	IRON	2019/05/13		930	*	300	100	300.000	UG/L
		01045	IRON	2019/05/21		1000	*	300	100	300.000	UG/L
		01045	IRON	2019/05/28		990	*	300	100	300.000	UG/L
		01045	IRON	2019/06/04		1100	*	300	100	300.000	UG/L
		01045	IRON	2019/06/13		940	*	300	100	300.000	UG/L
		01045	IRON	2019/06/19		970	*	300	100	300.000	UG/L
		01045	IRON	2019/06/25		1020	*	300	100	300.000	UG/L
		01045	IRON	2019/07/01		920	*	300	100	300.000	UG/L
		01045	IRON	2019/07/09		1020	*	300	100	300.000	UG/L
		01045	IRON	2019/07/15		960	*	300	100	300.000	UG/L
		01045	IRON	2019/07/22		960	*	300	100	300.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015007	GP	SECONDARY/GP									
		01045	IRON	2019/07/29		960	*	300	100	300.000	UG/L
		01045	IRON	2019/08/06		920	*	300	100	300.000	UG/L
		01045	IRON	2019/08/07		1120	*	300	100	300.000	UG/L
		01045	IRON	2019/08/12		1010	*	300	100	300.000	UG/L
		01045	IRON	2019/08/22		1120	*	300	100	300.000	UG/L
		01045	IRON	2019/08/26		990	*	300	100	300.000	UG/L
		01045	IRON	2019/09/03		1000	*	300	100	300.000	UG/L
		01045	IRON	2019/09/09		1040	*	300	100	300.000	UG/L
		01045	IRON	2019/09/17		940	*	300	100	300.000	UG/L
		01045	IRON	2019/09/23		1000	*	300	100	300.000	UG/L
		01045	IRON	2019/10/01		920	*	300	100	300.000	UG/L
		01045	IRON	2019/10/07		940	*	300	100	300.000	UG/L
		01045	IRON	2019/10/14		1120	*	300	100	300.000	UG/L
		01045	IRON	2019/10/31		1150	*	300	100	300.000	UG/L
		01045	IRON	2019/11/04		1140	*	300	100	300.000	UG/L
		01045	IRON	2019/11/13		1210	*	300	100	300.000	UG/L
		01045	IRON	2019/11/18		1050	*	300	100	300.000	UG/L
		01045	IRON	2019/11/29		1040	*	300	100	300.000	UG/L
		01055	MANGANESE	2017/01/03		620	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/01/09		580	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/01/19		420	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/01/23		700	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/01/30		690	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/02/09		790	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/02/13		710	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/02/23		610	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/02/27		630	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/03/06		570	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/03/13		790	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/03/22		680	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/04/04		680	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/04/10		680	*	50	20	50.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015007	GP	SECONDARY/GP									
		01055	MANGANESE	2017/04/26		620	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/05/02		730	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/05/10		650	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/05/16		560	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/05/24		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/05/31		430	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/06/05		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/06/12		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/06/19		530	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/06/26		530	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/07/04		540	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/07/10		460	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/07/17		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/07/24		380	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/07/31		360	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/08/01		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/08/08		514	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/08/14		530	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/08/21		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/08/28		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/09/06		500	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/09/11		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/09/18		520	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/09/26		530	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/10/05		560	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/10/09		500	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/10/16		581	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/10/23		716	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/10/30		540	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/11/06		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/11/15		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/11/21		480	*	50	20	50.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015007	GP	SECONDARY/GP									
		01055	MANGANESE	2017/11/28		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/12/05		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2017/12/11		490	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/01/02		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/01/09		570	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/01/17		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/01/23		500	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/01/29		500	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/02/07		520	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/02/15		530	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/02/20		530	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/02/26		500	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/03/07		490	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/03/12		500	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/03/20		500	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/03/26		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/04/03		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/04/11		520	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/04/16		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/04/25		500	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/04/30		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/05/08		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/05/14		520	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/05/23		500	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/06/01		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/06/04		490	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/06/11		460	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/06/18		490	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/06/28		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/07/02		530	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/07/11		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/07/16		510	*	50	20	50.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015007	GP	SECONDARY/GP									
		01055	MANGANESE	2018/07/23		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/07/30		460	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/08/01		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/08/08		500	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/08/13		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/08/20		530	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/09/21		520	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/09/26		500	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/10/01		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/10/08		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/10/17		460	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/10/24		450	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/10/30		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/11/14		460	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/11/19		430	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/11/26		430	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/12/03		490	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/12/13		420	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/12/17		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/12/27		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/01/03		460	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/01/09		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/01/16		490	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/01/22		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/01/28		450	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/02/05		550	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/02/13		460	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/02/19		440	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/02/25		490	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/03/04		570	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/03/11		490	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/03/18		480	*	50	20	50.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015007	GP	SECONDARY/GP									
		01055	MANGANESE	2019/04/01		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/04/09		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/04/15		490	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/04/23		440	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/04/29		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/05/07		450	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/05/13		440	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/05/21		460	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/05/28		450	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/06/04		520	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/06/13		450	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/06/19		460	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/06/25		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/07/01		460	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/07/09		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/07/15		460	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/07/22		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/07/29		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/08/06		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/08/07		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/08/12		490	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/08/22		510	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/08/26		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/09/03		480	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/09/09		490	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/09/17		490	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/09/23		470	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/10/01		440	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/10/07		460	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/10/14		500	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/10/31		660	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/11/04		590	*	50	20	50.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015007	GP	01055	MANGANESE	2019/11/13		580	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/11/18		490	*	50	20	50.000	UG/L
		01055	MANGANESE	2019/11/29		480	*	50	20	50.000	UG/L

STATE OF CALIFORNIA
DRINKING WATER ANALYSES RESULTS REPORT
ALL SAMPLES FOR SELECTED CHAPTER 15 GROUPS - ALL RESULTS
FOR SAMPLE DATE RANGE OF 20170101 THRU 20991231
REPORT OF SYSTEM: 5610015

SYSTEM NO: 5610015 NAME: VENTURA CWWD NO. 19 - SOMIS COUNTY: VENTURA

SOURCE NO: 008 NAME: WELL 4 FE/MN TP EFFLUENT CLASS: DEAD STATUS: A

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015008		**5610015**	**VENTURA CWWD NO. 19 - SOMIS**	**008**		**WELL 4 FE/MN TP EFFLUENT**					
	GP	SECONDARY/GP									
		01045	IRON	2017/01/03	<	20		300	100	300.000	UG/L
		01045	IRON	2017/01/09	<	20		300	100	300.000	UG/L
		01045	IRON	2017/01/19	<	20		300	100	300.000	UG/L
		01045	IRON	2017/01/23	<	20		300	100	300.000	UG/L
		01045	IRON	2017/01/30	<	20		300	100	300.000	UG/L
		01045	IRON	2017/02/09	<	20		300	100	300.000	UG/L
		01045	IRON	2017/02/13		20		300	100	300.000	UG/L
		01045	IRON	2017/02/23	<	20		300	100	300.000	UG/L
		01045	IRON	2017/02/27	<	20		300	100	300.000	UG/L
		01045	IRON	2017/03/06		60		300	100	300.000	UG/L
		01045	IRON	2017/03/13	<	20		300	100	300.000	UG/L
		01045	IRON	2017/03/22	<	20		300	100	300.000	UG/L
		01045	IRON	2017/04/04		20		300	100	300.000	UG/L
		01045	IRON	2017/04/10	<	20		300	100	300.000	UG/L
		01045	IRON	2017/04/26	<	20		300	100	300.000	UG/L
		01045	IRON	2017/05/02		30		300	100	300.000	UG/L
		01045	IRON	2017/05/10		100		300	100	300.000	UG/L
		01045	IRON	2017/05/16	<	20		300	100	300.000	UG/L
		01045	IRON	2017/05/24		70		300	100	300.000	UG/L
		01045	IRON	2017/05/31		40		300	100	300.000	UG/L
		01045	IRON	2017/06/05		40		300	100	300.000	UG/L
		01045	IRON	2017/06/12	<	20		300	100	300.000	UG/L
		01045	IRON	2017/06/19	<	20		300	100	300.000	UG/L
		01045	IRON	2017/06/26		70		300	100	300.000	UG/L
		01045	IRON	2017/07/04		20		300	100	300.000	UG/L
		01045	IRON	2017/07/10		30		300	100	300.000	UG/L
		01045	IRON	2017/07/17		30		300	100	300.000	UG/L
		01045	IRON	2017/07/24	<	20		300	100	300.000	UG/L
		01045	IRON	2017/07/31		30		300	100	300.000	UG/L
		01045	IRON	2017/08/08		920	*	300	100	300.000	UG/L
		01045	IRON	2017/08/14	<	100		300	100	300.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015008	GP	SECONDARY/GP									
		01045	IRON	2017/08/21	<	100		300	100	300.000	UG/L
		01045	IRON	2017/08/28	<	100		300	100	300.000	UG/L
		01045	IRON	2017/09/06	<	100		300	100	300.000	UG/L
		01045	IRON	2017/09/11	<	100		300	100	300.000	UG/L
		01045	IRON	2017/09/18	<	100		300	100	300.000	UG/L
		01045	IRON	2017/09/25	<	100		300	100	300.000	UG/L
		01045	IRON	2017/10/05	<	100		300	100	300.000	UG/L
		01045	IRON	2017/10/09	<	100		300	100	300.000	UG/L
		01045	IRON	2017/10/16	<	100		300	100	300.000	UG/L
		01045	IRON	2017/10/23	<	100		300	100	300.000	UG/L
		01045	IRON	2017/10/30	<	100		300	100	300.000	UG/L
		01045	IRON	2017/11/06	<	100		300	100	300.000	UG/L
		01045	IRON	2017/11/15	<	100		300	100	300.000	UG/L
		01045	IRON	2017/11/21	<	100		300	100	300.000	UG/L
		01045	IRON	2017/11/28		140		300	100	300.000	UG/L
		01045	IRON	2017/12/05		170		300	100	300.000	UG/L
		01045	IRON	2017/12/11		300		300	100	300.000	UG/L
		01045	IRON	2018/01/02		200		300	100	300.000	UG/L
		01045	IRON	2018/01/09		210		300	100	300.000	UG/L
		01045	IRON	2018/01/17	<	100		300	100	300.000	UG/L
		01045	IRON	2018/01/23	<	100		300	100	300.000	UG/L
		01045	IRON	2018/01/29	<	100		300	100	300.000	UG/L
		01045	IRON	2018/02/07	<	100		300	100	300.000	UG/L
		01045	IRON	2018/02/15	<	100		300	100	300.000	UG/L
		01045	IRON	2018/02/20	<	100		300	100	300.000	UG/L
		01045	IRON	2018/02/26	<	100		300	100	300.000	UG/L
		01045	IRON	2018/03/07	<	100		300	100	300.000	UG/L
		01045	IRON	2018/03/12	<	100		300	100	300.000	UG/L
		01045	IRON	2018/03/20	<	100		300	100	300.000	UG/L
		01045	IRON	2018/03/26	<	100		300	100	300.000	UG/L
		01045	IRON	2018/04/03	<	100		300	100	300.000	UG/L
		01045	IRON	2018/04/11		110		300	100	300.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015008	GP	SECONDARY/GP									
		01045	IRON	2018/04/16	<	100		300	100	300.000	UG/L
		01045	IRON	2018/04/25	<	100		300	100	300.000	UG/L
		01045	IRON	2018/04/30	<	100		300	100	300.000	UG/L
		01045	IRON	2018/05/08		110		300	100	300.000	UG/L
		01045	IRON	2018/05/14	<	100		300	100	300.000	UG/L
		01045	IRON	2018/05/23	<	100		300	100	300.000	UG/L
		01045	IRON	2018/06/01	<	100		300	100	300.000	UG/L
		01045	IRON	2018/06/04	<	100		300	100	300.000	UG/L
		01045	IRON	2018/06/11	<	100		300	100	300.000	UG/L
		01045	IRON	2018/06/18	<	100		300	100	300.000	UG/L
		01045	IRON	2018/06/28	<	100		300	100	300.000	UG/L
		01045	IRON	2018/07/02	<	100		300	100	300.000	UG/L
		01045	IRON	2018/07/11	<	100		300	100	300.000	UG/L
		01045	IRON	2018/07/16	<	100		300	100	300.000	UG/L
		01045	IRON	2018/07/23	<	100		300	100	300.000	UG/L
		01045	IRON	2018/07/30	<	100		300	100	300.000	UG/L
		01045	IRON	2018/08/08	<	100		300	100	300.000	UG/L
		01045	IRON	2018/08/13	<	100		300	100	300.000	UG/L
		01045	IRON	2018/08/20	<	100		300	100	300.000	UG/L
		01045	IRON	2018/09/21	<	100		300	100	300.000	UG/L
		01045	IRON	2018/09/26	<	100		300	100	300.000	UG/L
		01045	IRON	2018/10/01	<	100		300	100	300.000	UG/L
		01045	IRON	2018/10/08	<	100		300	100	300.000	UG/L
		01045	IRON	2018/10/17	<	100		300	100	300.000	UG/L
		01045	IRON	2018/10/24	<	100		300	100	300.000	UG/L
		01045	IRON	2018/10/30	<	100		300	100	300.000	UG/L
		01045	IRON	2018/11/14	<	100		300	100	300.000	UG/L
		01045	IRON	2018/11/19	<	100		300	100	300.000	UG/L
		01045	IRON	2018/11/26	<	100		300	100	300.000	UG/L
		01045	IRON	2018/12/03	<	100		300	100	300.000	UG/L
		01045	IRON	2018/12/13	<	100		300	100	300.000	UG/L
		01045	IRON	2018/12/17	<	100		300	100	300.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015008	GP	SECONDARY/GP									
		01045	IRON	2018/12/27	<	100		300	100	300.000	UG/L
		01045	IRON	2019/01/03	<	100		300	100	300.000	UG/L
		01045	IRON	2019/01/09	<	100		300	100	300.000	UG/L
		01045	IRON	2019/01/16	<	100		300	100	300.000	UG/L
		01045	IRON	2019/01/22	<	100		300	100	300.000	UG/L
		01045	IRON	2019/01/28	<	100		300	100	300.000	UG/L
		01045	IRON	2019/02/05	<	100		300	100	300.000	UG/L
		01045	IRON	2019/02/13		230		300	100	300.000	UG/L
		01045	IRON	2019/02/19	<	100		300	100	300.000	UG/L
		01045	IRON	2019/02/25	<	100		300	100	300.000	UG/L
		01045	IRON	2019/03/04		180		300	100	300.000	UG/L
		01045	IRON	2019/03/11		140		300	100	300.000	UG/L
		01045	IRON	2019/03/18	<	100		300	100	300.000	UG/L
		01045	IRON	2019/04/01	<	100		300	100	300.000	UG/L
		01045	IRON	2019/04/09	<	100		300	100	300.000	UG/L
		01045	IRON	2019/04/15	<	100		300	100	300.000	UG/L
		01045	IRON	2019/04/23	<	100		300	100	300.000	UG/L
		01045	IRON	2019/04/29	<	100		300	100	300.000	UG/L
		01045	IRON	2019/05/07	<	100		300	100	300.000	UG/L
		01045	IRON	2019/05/13	<	100		300	100	300.000	UG/L
		01045	IRON	2019/05/21	<	100		300	100	300.000	UG/L
		01045	IRON	2019/05/28	<	100		300	100	300.000	UG/L
		01045	IRON	2019/06/04	<	100		300	100	300.000	UG/L
		01045	IRON	2019/06/13	<	100		300	100	300.000	UG/L
		01045	IRON	2019/06/19	<	100		300	100	300.000	UG/L
		01045	IRON	2019/06/25	<	100		300	100	300.000	UG/L
		01045	IRON	2019/07/01	<	100		300	100	300.000	UG/L
		01045	IRON	2019/07/09	<	100		300	100	300.000	UG/L
		01045	IRON	2019/07/15	<	100		300	100	300.000	UG/L
		01045	IRON	2019/07/22	<	100		300	100	300.000	UG/L
		01045	IRON	2019/07/29	<	100		300	100	300.000	UG/L
		01045	IRON	2019/08/06	<	100		300	100	300.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015008	GP	SECONDARY/GP									
		01045	IRON	2019/08/12	<	100		300	100	300.000	UG/L
		01045	IRON	2019/08/22	<	100		300	100	300.000	UG/L
		01045	IRON	2019/08/26	<	100		300	100	300.000	UG/L
		01045	IRON	2019/09/03	<	100		300	100	300.000	UG/L
		01045	IRON	2019/09/09	<	100		300	100	300.000	UG/L
		01045	IRON	2019/09/17	<	100		300	100	300.000	UG/L
		01045	IRON	2019/09/23	<	100		300	100	300.000	UG/L
		01045	IRON	2019/10/01	<	100		300	100	300.000	UG/L
		01045	IRON	2019/10/07	<	100		300	100	300.000	UG/L
		01045	IRON	2019/10/14	<	100		300	100	300.000	UG/L
		01045	IRON	2019/10/31	<	100		300	100	300.000	UG/L
		01045	IRON	2019/11/04	<	100		300	100	300.000	UG/L
		01045	IRON	2019/11/13	<	100		300	100	300.000	UG/L
		01045	IRON	2019/11/18	<	100		300	100	300.000	UG/L
		01045	IRON	2019/11/29	<	100		300	100	300.000	UG/L
		01055	MANGANESE	2017/01/03	<	0.5		50	20	50.000	UG/L
		01055	MANGANESE	2017/01/09	<	0.5		50	20	50.000	UG/L
		01055	MANGANESE	2017/01/19		0.9		50	20	50.000	UG/L
		01055	MANGANESE	2017/01/23		0.6		50	20	50.000	UG/L
		01055	MANGANESE	2017/01/30		1.8		50	20	50.000	UG/L
		01055	MANGANESE	2017/02/09	<	0.5		50	20	50.000	UG/L
		01055	MANGANESE	2017/02/13		3.3		50	20	50.000	UG/L
		01055	MANGANESE	2017/02/23	<	0.5		50	20	50.000	UG/L
		01055	MANGANESE	2017/02/27		0.6		50	20	50.000	UG/L
		01055	MANGANESE	2017/03/06		12		50	20	50.000	UG/L
		01055	MANGANESE	2017/03/13		2.3		50	20	50.000	UG/L
		01055	MANGANESE	2017/03/22	<	0.5		50	20	50.000	UG/L
		01055	MANGANESE	2017/04/04		0.8		50	20	50.000	UG/L
		01055	MANGANESE	2017/04/10	<	0.5		50	20	50.000	UG/L
		01055	MANGANESE	2017/04/26		0.6		50	20	50.000	UG/L
		01055	MANGANESE	2017/05/02		7.0		50	20	50.000	UG/L
		01055	MANGANESE	2017/05/10		1.0		50	20	50.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015008	GP	SECONDARY/GP									
		01055	MANGANESE	2017/05/16		0.9		50	20	50.000	UG/L
		01055	MANGANESE	2017/05/24		9.1		50	20	50.000	UG/L
		01055	MANGANESE	2017/05/31		4.5		50	20	50.000	UG/L
		01055	MANGANESE	2017/06/05		45		50	20	50.000	UG/L
		01055	MANGANESE	2017/06/12		4.5		50	20	50.000	UG/L
		01055	MANGANESE	2017/06/19		1.2		50	20	50.000	UG/L
		01055	MANGANESE	2017/06/26		0.8		50	20	50.000	UG/L
		01055	MANGANESE	2017/07/04		2.1		50	20	50.000	UG/L
		01055	MANGANESE	2017/07/10		0.7		50	20	50.000	UG/L
		01055	MANGANESE	2017/07/17	<	0.5		50	20	50.000	UG/L
		01055	MANGANESE	2017/07/24		0.6		50	20	50.000	UG/L
		01055	MANGANESE	2017/07/31	<	0.5		50	20	50.000	UG/L
		01055	MANGANESE	2017/08/08	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/08/14	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/08/21	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/08/28	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/09/06	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/09/11	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/09/18	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/09/25	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/10/05	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/10/09	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/10/16	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/10/23	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/10/30	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/11/06	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/11/15	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/11/21	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2017/11/28		30		50	20	50.000	UG/L
		01055	MANGANESE	2017/12/05		40		50	20	50.000	UG/L
		01055	MANGANESE	2017/12/11		50		50	20	50.000	UG/L
		01055	MANGANESE	2018/01/02		40		50	20	50.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015008	GP	SECONDARY/GP									
		01055	MANGANESE	2018/01/09		40		50	20	50.000	UG/L
		01055	MANGANESE	2018/01/17	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/01/23	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/01/29	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/02/07	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/02/15	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/02/20		100	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/02/26		110	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/03/07		60	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/03/12		30		50	20	50.000	UG/L
		01055	MANGANESE	2018/03/20		40		50	20	50.000	UG/L
		01055	MANGANESE	2018/03/26		30		50	20	50.000	UG/L
		01055	MANGANESE	2018/04/03		70	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/04/11		180	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/04/16		100	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/04/25		60	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/04/30		70	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/05/08		60	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/05/14	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/05/23	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/06/01		40		50	20	50.000	UG/L
		01055	MANGANESE	2018/06/04		40		50	20	50.000	UG/L
		01055	MANGANESE	2018/06/11		20		50	20	50.000	UG/L
		01055	MANGANESE	2018/06/18		20		50	20	50.000	UG/L
		01055	MANGANESE	2018/06/28		20		50	20	50.000	UG/L
		01055	MANGANESE	2018/07/02	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/07/11		40		50	20	50.000	UG/L
		01055	MANGANESE	2018/07/16		90	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/07/23		90	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/07/30		90	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/08/08		120	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/08/13		130	*	50	20	50.000	UG/L

SYSTEM NO: NAME: COUNTY:

SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015008	GP	SECONDARY/GP									
		01055	MANGANESE	2018/08/20		90	*	50	20	50.000	UG/L
		01055	MANGANESE	2018/09/21	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/09/26	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/10/01	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/10/08	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/10/17	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/10/24	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/10/30	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/11/14	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/11/19	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/11/26	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/12/03	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/12/13	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/12/17	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2018/12/27	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/01/03	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/01/09	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/01/16	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/01/22	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/01/28	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/02/05	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/02/13		40		50	20	50.000	UG/L
		01055	MANGANESE	2019/02/19	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/02/25	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/03/04		30		50	20	50.000	UG/L
		01055	MANGANESE	2019/03/11	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/03/18	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/04/01	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/04/09	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/04/15	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/04/23	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/04/29	<	20		50	20	50.000	UG/L

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SOURCE NO: NAME: CLASS: STATUS:

PSCODE		GROUP/CONSTITUENT IDENTIFICATION		DATE		RESULT	*	MCL	DLR	TRIGGER	UNIT
5610015008	GP	01055	MANGANESE	2019/05/07	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/05/13	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/05/21	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/05/28	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/06/04	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/06/13	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/06/19	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/06/25	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/07/01	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/07/09	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/07/15	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/07/22	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/07/29	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/08/06	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/08/12	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/08/22	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/08/26		20		50	20	50.000	UG/L
		01055	MANGANESE	2019/09/03	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/09/09	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/09/17	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/09/23	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/10/01	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/10/07	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/10/14	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/10/31	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/11/04	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/11/13	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/11/18	<	20		50	20	50.000	UG/L
		01055	MANGANESE	2019/11/29	<	20		50	20	50.000	UG/L

Enclosure 5

Radionuclides Monitoring Flow Chart

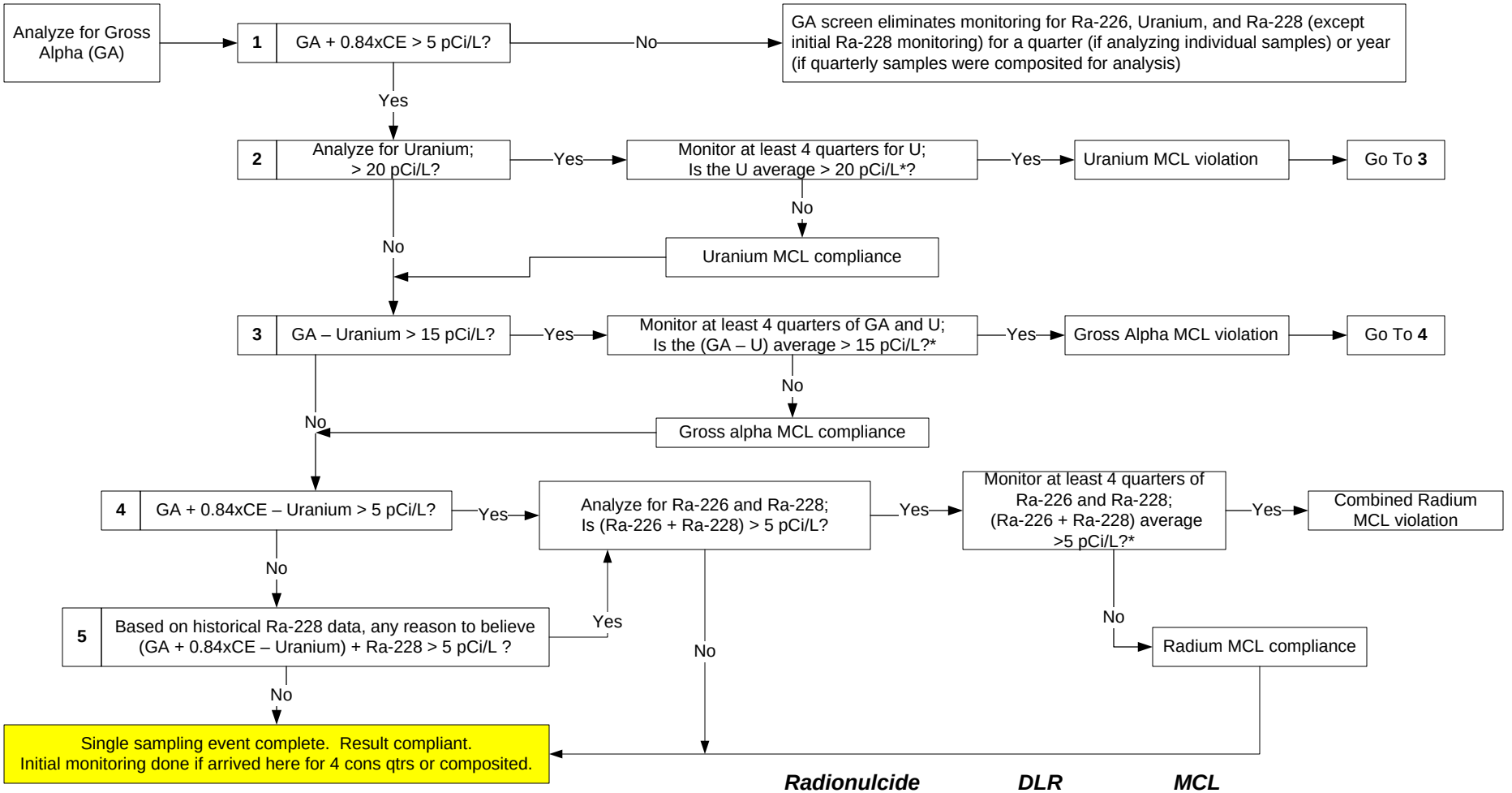
Enclosure 6

Bacteriological Sample Siting Plan Template

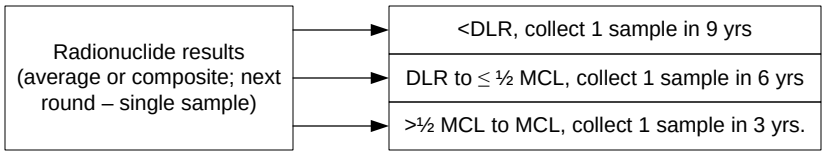
California Drinking Water Radionuclide Monitoring under Section 64442 of Title 22

Initial Monitoring for new sources and MCL compliance determination flow chart for Community Water Systems (CWS)

- Use this chart as a guide for each sampling event under Section 64442 of Title 22.
- For initial monitoring, each system must collect and analyze 4 individual quarterly samples or, if approved by the Department, collect a 4-quarter composite and analyze; if a composite result is > ½ MCL, at least 1 additional quarterly sample must be collected and analyzed. Four consecutive quarters reaching the final box completes initial monitoring. Samples must be collected in the same month (1st, 2nd, or 3rd) of each quarter. Gross alpha results in this chart exclude radon measurements.
- For initial monitoring, CWS must also collect and analyze 4 quarters of Ra-228. Ra-228 may also have to be monitored to determine compliance with the combined radium MCL.
- If analyzing quarterly samples during initial monitoring, the last 2 quarters may be waived if each of the first 2 quarters are < DLR for a radionuclide, including Ra-228.



Monitoring Frequency based in Initial or Historic Results



Radionulcide	***DLR***	***MCL***
Gross Alpha	*3 pCi/L*	*15 pCi/L*
Uranium	*1 pCi/L*	*20 pCi/L*
Ra-226 + Ra-228	*1 pCi/L each*	*5 pCi/L combined*

* If compositing, compliance is based on composite result

Use same number of significant figures as MCLs; CE=Counting Error

Enclosure 7

Sanitary Survey Response Form

Ventura County Waterworks District No. 19 – Somis
System Number 5610015

Sanitary Survey Response Form
Due: **January 17, 2020**

To: State Water Resources Control Board
Division of Drinking Water, District 06
1180 Eugenia Place, Suite 200
Carpinteria, CA 93013-2000

From: Ventura County Waterworks District No. 19 – Somis
6767 Spring Road
P.O. Box 250
Moorpark, CA 93021

Ventura County Waterworks District No. 19 – Somis' response and plan to correct the identified items:

1. The sequestering chemical injection did not appear to be in use at Well 2 or Well 3. VCWWD 19 is to provide an update on its sequestering control activities.

   From sections 2.1.2.1 and 2.1.2.2 of the Sanitary Survey Report (Enclosure 1).

   Response:

2. The flush-to-waste piping at Well 2 was not fully screened. VCWWD 19 is to secure a screen at the flush-to-waste piping to prevent potential entry of animals

   From section 2.1.2.1 of the Sanitary Survey Report (Enclosure 1).

   Response:

3. The ammonium sulfate injection appeared to be disconnected and not in use at Well 2 and Well 3. VCWWD 19 is to provide a description of its operations and control of mixing chlorinated groundwater and chloraminated purchased water in its distribution system.

   From section 2.2 of the Sanitary Survey Report (Enclosure 1).

   Response:

4. VCWWD 19 must uncover the overflow drainage line at 538 Foot Reservoir and ensure that it is screened and remains uncovered. VCWWD 19 should also work with the site neighbors to have the bee boxes relocated further away from the reservoir, as VCWWD 19 staff need to be able to freely and readily visit the site. VCWWD 19 reported that it plans to replace the 538 Foot Reservoir in two to three years. In the meantime, finished water must be protected from contaminants. DDW recommends frequent inspections of the reservoir to actively track its condition and evaluate if immediate maintenance is needed while the replacement reservoir is forthcoming.

   From section 2.4.1 of the Sanitary Survey Report (Enclosure 1).

   Response:

5. At Balcom Canyon Reservoir, the float level indicator was broken, indicating an incorrect tank level. Ponding was observed on the roof, along with debris near the hatch. There appeared to be some corrosion around the roof's air vent. Also, a helicopter repeatedly passed directly over the reservoir, as it was spraying crops in a nearby field. VCWWD 19 should contact the landowner to make sure they are aware of the potable water storage and VCWWD 19 should determine what is being sprayed near its finished water storage reservoir. VCWWD 19 should either fix or remove the float level indicator so as not to give a false reading. VCWWD 19 should address ponding and debris buildup on the roof to prevent corrosion and contamination of finished water. VCWWD 19 should assess the condition to the air vent and make repairs if necessary

   From section 2.4.6 of the Sanitary Survey Report (Enclosure 1).

   Response:

6. At Greentree Reservoir 2, the float level indicator was broken, indicating an incorrect tank level. There was ponding and associated corrosion on the roof around the edges, rusting around roof air vents, and there was a gap in the screen around the center air vent. VCWWD 19 should either fix or remove the float level indicator so as not to give a false reading. VCWWD 19 should paint over corrosion spots and address ponding on the roof to prevent further corrosion. It should secure the center air vent screen so that there is no gap and replace air vent screens that are nearing their useful life.

   From section 2.4.8 of the Sanitary Survey Report (Enclosure 1).

   Response:

7. VCWWD 19 is to continue monitoring Well 2 and Well 3 for iron and manganese quarterly. VCWWD 19 must also provide public notice of the secondary MCL exceedances at Well 2 and Well 3 (i.e., include in its Consumer Confidence Report), actively flush the sources, and submit usage reports. VCWWD 19 is to submit quarterly usage and flushing reports for Well 2 and Well 3.

   From section 2.6.1.1 of the Sanitary Survey Report (Enclosure 1).

   Response:

8. VCWWD 19 should make sure to carefully follow the Radionuclides Monitoring Flow Chart (Enclosure 5) to ensure full compliance with all radionuclides sampling requirements (i.e., monitoring for the appropriate parameters and at the appropriate frequency).

   From section 2.6.1.4 of the Sanitary Survey Report (Enclosure 1).

   Response:

9. VCWWD 19 is to submit an updated Bacteriological Sample Siting Plan, as the plan on file with DDW is over ten years old. A Bacteriological Sample Siting Plan template is included as Enclosure 6.

   From section 2.7.2 of the Sanitary Survey Report (Enclosure 1).

   Response:

10. VCWWD 19 is to submit an OM&MP for its iron and manganese treatment plant.

    From section 2.7.2 of the Sanitary Survey Report (Enclosure 1).

    Response:

11. The distribution system operator certifications for Jeff Beard and Ryan Rivas are shown past the expiration dates. VCWWD 19 is to update DDW on the status of their certifications.

    From section 2.8 of the Sanitary Survey Report (Enclosure 1).

    Response:

Response Completed by:

Name: Signature:

Title: Date: