CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board
Division of Drinking Water

March 10, 2017

System No.: 2400326

Mr. Ruben Ramirez, Owner
Westside Grocery
13912 Westside Blvd.
Livingston, CA 95334

RE: CITATION NO. 03-11-17C-014, Source Flow Meter

Enclosed is a Citation issued to the Westside Grocery (hereinafter "Water System") public water system.

The Water System will be billed at the State Water Resources Control Board's (hereinafter "State Board") hourly rate (currently estimated at $161.00) for the time spent on issuing this Citation. California Health and Safety Code, Section 116577, provides that a public water system must reimburse the State Board for actual costs incurred by the State Board for specified enforcement actions, including but not limited to, preparing, issuing and monitoring compliance with a citation. At this time, the State Board has spent approximately 2.0 hour(s) on enforcement activities associated with this violation.

The Water System will receive a bill sent from the State Board in August of the next fiscal year. This bill will contain fees for any enforcement time spent on the District for the current fiscal year.

If you have any questions regarding this matter, please contact Austin Ferreria of my staff at 559-447-3300 or me at 559-447-3316.

Sincerely,

Kassy D. Chauhan

Kassy D. Chauhan, P.E.
Senior Sanitary Engineer, Merced District
Central California Section
SOUTHERN CALIFORNIA BRANCH
DRINKING WATER FIELD OPERATIONS

Enclosures
Certified Mail No.: 7016 1370 0000 0455 3246

cc: Merced County Environmental Health Department

Citation No. 03-11-17C-014

STATE OF CALIFORNIA
WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER

IN RE: **WESTSIDE GROCERY**
WATER SYSTEM NO. 2400326

TO: Mr. Ruben Ramirez, Owner
13912 Westside Boulevard
Livingston, CA 95334

CC: Merced County Environmental Health Department

CITATION FOR VIOLATION OF
CALIFORNIA CODE OF REGULATIONS, TITLE 22, SECTION 64561
Source Flow Meters

Issued on March 10, 2017

Section 116650 of the California Health and Safety Code authorizes the issuance of a citation to a public water system for violation of the California Safe Drinking Water Act (Health and Safety Code, Division 104, Part 12, Chapter 4, commencing with Section 116270) (hereinafter "California SDWA"), or any regulation, standard, permit or order issued or adopted thereunder.

The State Water Resources Control Board (hereinafter "Board"), acting by and through its Division of Drinking Water (hereinafter "Division") and the Deputy Director for the Division (hereinafter "Deputy Director"), hereby issues a citation to the Westside Grocery Water System (hereinafter "Water System") (13912 Westside Blvd, Livingston, CA 95334) for violation of California Code of Regulations (CCR), Title 22, Section 64561.

APPLICABLE AUTHORITIES

The applicable statutes and regulations are provided in Appendix A, attached hereto and incorporated by reference.

STATEMENT OF FACTS

The Water System is a transient-noncommunity water system serving a transient population of approximately twenty-five (25) persons per day through two (2) service connections. Effective April 1, 2014, the Merced County Department of Environmental Health transferred the jurisdictional regulatory oversight for this water system to the Division. The Water System currently operates under a water supply permit (No. 03-11-15P-064) issued by the Division on August 28, 2015 (Appendix B).

The Division conducted a sanitary survey of the Water System on May 5, 2014, and observed that a flow meter was not installed on the discharge piping from Well No. 1. The Division noted the need to install a totalizing flow meter at a point between the source and the entry point to the distribution system and submit photo documentation to the Division by September 30, 2015. In addition, the System was required to begin recording monthly well production quantities on at least a monthly basis and reporting those quantities to the Division annually via the electronic Annual Report to the Drinking Water Program (e-ARDWP). Despite the Division's efforts to inform the Water System of the requirements to install a flow meter and record the total monthly water production, the Water System has failed to install the flow meter and begin reporting the monthly production from Well No. 1 annually to the Division.

DETERMINATION

Title 22, CCR, Section 64561, Source Flow Meters provides that each water system shall install a flow meter at a location between each water source and the entry point to the distribution system and meter the quantity of water flow from each source, and record the total monthly production each month.

The Division has determined that the Water System failed to comply with Title 22, CCR, Section 64561, Source Flow Meters by failing to install a flow meter at Well No. 1 and for failure to meter the quantity of water flow from each source and record the total monthly production each month.

ADMINISTRATIVE PENALTIES

Pursuant to CHSC Section 116650

Sections 116650(a) of the CHSC allows for the issuance of a citation for failure to comply with the requirements of the California Safe Drinking Water Act, or any regulation, permit, standard, citation, or order issued thereunder. Section 116650(d) and (e) allow for the assessment of a penalty not to exceed one thousand dollars ($1,000) per day for each day that a violation occurs.

Despite the Division's efforts to work with the Water System, the Water System has failed to comply with Section 64561. Therefore, the Division hearby assesses an administrative penalty of one thousand and five hundred dollars ($1,500) upon Water System. Directive No. 5 below describes the requirements for payment of the Penalty and conditions under which the Division may waive the requirement to pay the penalty.

DIRECTIVES

The Water System is hereby directed to take the following actions:

1. On or before March 31, 2017, submit a written response to the Division indicating its willingness to comply with the directives of this citation.

2. On or before May 31, 2017, install a source flow meter on Well No. 1 at a point between the source and the entry point to the distribution system per Section 64561.

3. On or before May 31, 2017, submit photo documentation to the Division showing the installation of the flow meter on Well No. 1 at a point between the source and the entry point to the distribution system in accordance with Section 64561.

4. Beginning in June 2017 or before, record the total production from each active source a minimum of monthly and report the total monthly production to the Division annually via the Electronic Annual Report.

5. Pay the Penalty of one thousand and five hundred dollars ($1,500) within 90 days of the receipt of this Citation. Payment shall be made payable to the State Water Resources Control Board – Division of Drinking Water. Further instruction on the payment is provided in Appendix C, Notice of Citation Issuance.

   If the Water System complies with Directives 1, 2, 3, and 4 before the Penalty becomes due, and upon written request from the Water System, the Division will *consider*, at its sole discretion, terminating the requirement to pay the penalty.

6. If the Water System is unable to perform the tasks specified in this citation for any reason, whether within or beyond its control, and if the Water System notifies the Division in writing no less than five days in advance of the due date, the Division may extend the time for performance if the Water System demonstrates that it has used its best efforts to comply with the schedule and other requirements of this citation.

The Division reserves the right to make such modifications to the Citation as it may deem necessary to protect public health and safety. Such modifications may be issued as amendments to this Citation and shall be effective upon issuance.

Nothing in this Citation relieves the Water System of its obligation to meet the requirements of the California Safe Drinking Water Act or any regulation, standard, permit or order issued thereunder.

All submittal required by this Citation shall be submitted to the Division at the following address:

Kassy D. Chauhan, P.E.
Senior Sanitary Engineer
State Water Resources Control Board
Division of Drinking Water
265 W. Bullard Avenue, Suite 101
Fresno, CA 93704

PARTIES BOUND

This Citation shall apply to and be binding upon the Westside Grocery Water System, its officers, directors, agents, employees, contractors, successors, and assignees.

SEVERABILITY

The Directives of this Citation are severable, and the Water System shall comply with each and every provision thereof notwithstanding the effectiveness of any provision.

FURTHER ENFORCEMENT ACTION

The California SDWA authorizes the Board to: issue citation with assessment of administrative penalties to a public water system for violation or continued violation of the requirements of the California SDWA or any permit, regulation or order issued or adopted thereunder including, but not limited to, failure to correct a violation identified in a citation or compliance order. The California SDWA also authorizes the Board to take action to suspend or revoke a permit that has been issued to a public water system if the system has violated applicable law or regulations or has failed to comply with an order of the Board; and to petition the superior court to take various

enforcement measures against a public water system that has failed to comply with an order of the Board. The Board does not waive any further enforcement action by issuance of this citation.

3-10-2017
Date

Carl L. Carlucci, P.E.
Supervising Senior Sanitary Engineer,
Central California Region
DRINKING WATER FIELD OPERATIONS BRANCH

CERTIFIED NO.: 7016 1370 0000 0455 3246

CLC/KDC/Citation/no flow meter

Appendices:
Appendix A: Applicable Authorities
Appendix B: Water Supply Permit No. 03-11-15P-064
Appendix C: Notice of Citation Issuance

APPENDIX A

Applicable Statues and Regulations for Citation No. 03-12-17C-XXX

Section 116650 of the CHSC states in relevant part:
§116650. Citations

(a) If the Division determines that a public water system is in violation of this chapter or any regulation, permit, standard, citation, or order issued or adopted thereunder, the Division may issue a citation to the public water system. The citation shall be served upon the public water system personally or by certified mail. Service shall be deemed effective as of the date of personal service or the date of receipt of the certified mail. If a person to whom a citation is directed refuses to accept delivery of the certified mail, the date of service shall be deemed to be the date of mailing.

(b) Each citation shall be in writing and shall describe the nature of the violation or violations, including a reference to the statutory provision, standard, order, citation, permit, or regulation alleged to have been violated.

(c) A citation may specify a date for elimination or correction of the condition constituting the violation.

(d) A citation may include the assessment of a penalty as specified in subdivision (e).

(e) The Division may assess a penalty in an amount not to exceed one thousand dollars ($1,000) per day for each day that a violation occurred, and for each day that a violation continues to occur. A separate penalty may be assessed for each violation.

Section 64561 of Title 22, California Code of Regulations states in relevant part:
§64561. Source Flow Meters.

Each water system shall:

(a) Except for inactive sources, install a flow meter at a location between each water source and the entry point to the distribution system;

(b) Meter the quantity of water flow from each source, and record the total monthly production each month.

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board
Division of Drinking Water

August 28, 2015

System No.: 2400326

Mr. Ruben Ramirez
Mrs. Hermelinda Ramirez
Westside Grocery
13912 Westside Boulevard
Livingston, CA 95334

Dear Mr. and Mrs. Ramirez,

RE: Water Supply Permit – No. 03-11-15P-064

The purpose of this letter is to inform you that the State Water Resources Control Board Division of Drinking Water (Division) has issued a domestic water supply permit for the Westside Grocery Water System (System). The Domestic Water Supply Permit, Water Quality Monitoring Schedule, Engineering Report and other documents are attached to this letter. Please review the engineering report and provide any comments or corrections to the Division in writing.

In addition to the permit provisions included in the permit, the following items must be addressed by the System:

1. The System must install a flow meter equipped with a totalizer on Well No. 1 as required by the California Waterworks Standards. The System must submit receipts and/or photos as proof of flow meter installation by September 30, 2015. Beginning in October 2015, the System must begin recording the total production from the well at least one time per month and report the monthly production totals to the Division each year on the electronic annual report to the Drinking Water Program (e-AR).

2. To prevent a potential cross-connection from the hose connected to the hosebib on the discharge piping from Well No. 1, the System should install an air vacuum breaker on the hosebib. The System should provide photo documentation to the Division by September 30, 2015, showing that an air vacuum breaker has been installed at the hosebib.

3. At the time of the inspection, the discharge piping that flows to the irrigation system included a flexible section of temporary pipe (see Inspection Photos in Attachment A). The flexible pipe can become brittle and break resulting in a source of contamination. The flexible section of pipe needs to be replaced with a more durable pipe material, such as PVC. The System should submit photo documentation to the Division by September 30, 2015, as proof that the flexible section of pipe has been replaced.

4. The discharge line from the well that flows through the bladder tank to the irrigation system is not adequately protected against a potential cross-connection. The System must install an approved backflow prevention device on the discharge line to the irrigation system. By September 30, 2015, the System should submit photo documentation that an approved backflow prevention device has been installed on the discharge line to the irrigation system.

5. An Emergency Chlorination Plan must be developed and submitted for the water system by September 30, 2015. It is recommended that the well be plumbed and wired for emergency chlorination equipment installation. Details of what is to be included in the plan can be found in the guidance document attached (Attachment B) to this report.

6. Given the elevated levels of nitrate in the sample that was collected from Well No. 1 on June 11, 2015, the frequency for nitrate monitoring must be increased from annual to quarterly. The next quarterly nitrate sample must be collected and analyzed by September 30, 2015. If at any time, the nitrate concentration in the water produced by the well is greater than the maximum contaminant level, MCL, of 45 mg/L, the Division will issue a compliance order to the System and the System will be required to drill a new well or provide nitrate removal treatment.

7. According to the laboratory results for the routine bacteriological sample that was collected in June 2015, the sample was collected from the well. Per the approved bacteriological sample siting plan (BSSP), the approved location for routine distribution system bacteriological monitoring is at the kitchen faucet in the convenience store/hot grill. As such, all routine distribution system bacteriological monitoring must be completed at the kitchen faucet in the convenience store/hot grill. Failure to monitor at the approve routine distribution system bacteriological monitoring location will result in monitoring and reporting violations being issued to the water system.

Please acknowledge in writing by September 15, 2015, receipt of this water supply permit, your willingness to comply with the permit provisions and any comments or corrections to the technical report. This permit contains an all-inclusive list of applicable special permit provisions.

The assistance provided by both of you during the inspection is greatly appreciated. If you have any questions regarding the permit provisions or the list of action items above, please contact me at 559-447-3316.

Sincerely,

Kassy D. Chauhan

Kassy D. Chauhan, P.E.
Senior Sanitary Engineer
Merced District
Central California Section
SOUTHERN CALIFORNIA BRANCH
DRINKING WATER FIELD OPERATIONS

Enclosures
Cc: Merced County Environmental Health Division
KDC/2400326/2015 transmittal letter – Aug 28 2015.doc

State Water Resources Control Board
Division of Drinking Water

Certificate of Issuance

OF A

WATER SUPPLY PERMIT

TO

Mr. Ruben Ramirez and Mrs. Hermelinda Ramirez
For The Operation of The
Westside Grocery Water System

This is to certify that a water supply permit **03-11-15P-064** has been issued to Mr. Ruben Ramirez and Mrs. Hermelinda Ramirez on **August 28, 2015,** to supply water for domestic purposes to the Westside Grocery. The permit was issued by the State Water Resources Control Board - Division of Drinking Water, pursuant to the provisions of Division 104, Part 12, Chapter 4, Article 7, of the California Health and Safety Code. The permit is subject to the requirements of Title 22, California Code of Regulations, and to the conditions provided in the water supply permit.

A copy of the water supply permit is on file with the Westside Grocery Water System or may be obtained by contacting the Merced District Office of the State Water Resources Control Board – Division of Drinking Water, Field Operations Branch, 265 W. Bullard Ave., Ste. 101, Fresno, CA 93704

Kassy D. Chauhan

Kassy D. Chauhan, P.E., Senior Sanitary Engineer

STATE OF CALIFORNIA

DOMESTIC WATER SUPPLY PERMIT ISSUED TO Mr. Ruben Ramirez and Mrs. Hermelinda Ramirez For the Operation Of The Westside Grocery Water System Water System No. 2400326

PERMIT NO. *03-11-15P-064* EFFECTIVE DATE: *August 28, 2015*

WHEREAS:

1. The Westside Grocery Water System (System) was operated under the regulatory jurisdiction of the Merced County Environmental Health Department. The change in regulatory jurisdiction beginning April 1, 2014, required a new domestic water supply permit be issued to the Westside Grocery Water System.

2. The public water system is known as the Westside Grocery Water System whose headquarters and physical facilities are located at 13912 Westside Boulevard, Livingston, CA 95334.

3. The public water system for which a new domestic water supply permit is being issued is described briefly below:

   The System serves a convenience store/hot deli and two residential connections. The system is classified as a transient-noncommunity (TNC) water system. The System is served by one well. The discharge piping from the well serves the domestic water supply system consisting of the convenience store/hot deli and the two residential connections. IN addition, a separate discharge line directs water from the well to a bladder tank and then to an irrigation system for an adjacent field. The System has two septic systems which are located greater than 100 feet from the system.

And WHEREAS:

1. The Westside Grocery Water System has submitted all of the required information relating to the operation of the water system.

2. The State Water Resources Control Board, Division of Drinking Water has evaluated all of the information submitted by the Westside Grocery Water System and has conducted a physical investigation of the water system.

3. The State Water Resources Control Board, Division of Drinking Water has the authority to issue domestic water supply permits pursuant to Health and Safety Code Section 116540.

THEREFORE:

1. The Westside Grocery Water System meets the criteria for and is hereby classified as a transient-noncommunity water system.

2. The applicant has demonstrated that the Westside Grocery Water System has adequate technical, managerial, and financial capacity to operate the water system.

3. Provided the following conditions are complied with, the Westside Grocery Water System should be capable of providing water to consumers that is pure, wholesome, and potable and in compliance with statutory and regulatory drinking water requirements at all times.

THE SYSTEM OWNER, RUBEN AND HERMELINDA RAMIREZ, ARE HEREBY ISSUED THIS DOMESTIC WATER SUPPLY PERMIT TO OPERATE THE Westside Grocery WATER SYSTEM.

The Westside Grocery Water System shall comply with the following permit conditions:

1. The permitted active source for the Westside Grocery Water System is Well No. 1 (PS Code 2400326-001). The Merced District Office of the Drinking Water Field Operations Branch (DWFOB) must permit all other sources before they can be used in the water system.

2. The Westside Grocery Water System must comply with the attached water quality monitoring schedule for Well No. 1. All water quality monitoring results obtained in a calendar month must be submitted to the Division via electronic data transfer (EDT) by the tenth day of the following month.

3. The Westside Grocery Water System shall submit plans and specifications for all proposed sources of supply and/or water treatment projects to the Division for review and approval prior to construction.

4. The Westside Grocery Water System must submit an annual report to the Drinking Water Program each year, documenting specific system information for the prior year. The report shall be in the format specified by the Division and be submitted by the deadline specified by the Division.

This permit supersedes all previous domestic water supply permits issued for this public water system and shall remain in effect unless and until it is amended, revised, reissued, or declared to be null and void by the State Water Resources Control Board, Division of Drinking Water.

This permit is non-transferable. Should the Westside Grocery Water System undergo a change of ownership, the new owner must apply for and receive a new domestic water supply permit.

Any change in the source of water for the water system, any modification of the method of treatment as described in the Permit Report, or any addition of distribution system storage reservoirs shall not be made unless an application for such change is submitted to the State Water Resources Control Board, Division of Drinking Water.

This permit shall be effective as of the date shown below.

FOR THE STATE WATER RESOURCES CONTROL BOARD, DIVISION OF DRINKING WATER

8/28/15

Kassy D. Chauhan

Kassy D. Chauhan, P.E.
Senior Sanitary Engineer
Merced District
Central California Section
SOUTHERN CALIFORNIA BRANCH
DRINKING WATER FIELD OPERATIONS

KDC/2400326/water supply permit.doc

Engineering Report
For the Consideration of a Revised Permit for
Westside Grocery Water System
System No. 2400326
Merced County
August 2015

State Water Resources Control Board
Southern California Branch
Drinking Water Field Operations
Kassy D. Chauhan, P.E - Senior Sanitary Engineer

I. INTRODUCTION

1.1 PURPOSE OF REPORT

The Westside Grocery Water System (System) is now under the regulatory jurisdiction of the State Water Resources Control Board—Division of Drinking Water (Division). Formerly, the system was under the local primacy agency of Merced County (County), until April 1, 2014, when regulatory jurisdiction of the County's small water system program was transferred to the Division. The County had granted a CalCode Exemption to the System where they were not a permitted public water system but had to meet all of the requirements of a transient-noncommunity (TNC) water system. The Division has since determined that the System does not qualify for a CalCode Exemption and must be regulated by the Division as a public water system. The purpose of this report is to describe the current state of the water system and to make recommendations regarding the issuance of a permit.

1.2 DESCRIPTION OF SYSTEM

The System serves one building that includes a convenience store/hot grill and two houses that are occupied year around. It is located on Westside Boulevard in Livingston, CA, Merced County. The system is classified as a transient-noncommunity (TNC) water system. The System is served by one well that is equipped with a submersible pump and one bladder tank to provide system pressure. The System has two septic systems which are located greater than 100 feet from the well.

1.3 SOURCES OF INFORMATION

Information for the preparation of this report was obtained from Ruben and Hermelinda Ramirez, Owners; system files from the Merced County Environmental Health Department; and a field inspection of the water system conducted on May 5, 2014.

II. INVESTIGATION FINDINGS

2.1 AREA SERVED

The mailing address and the physical facilities for the water system is 13912 Westside Boulevard, Livingston, CA 95334. The System serves an average daily population of 25 people year around.

2.2 GROUNDWATER SOURCE OF SUPPLY

Well No. 1 (Active Untreated)

Well No. 1 (PS Code 2400326-001) is located adjacent to the house located at the back of the property and is situated on a 4 feet by 4 feet by 2 inch concrete slab. A Well Completion Report is available for this well. Well No. 1 was drilled in 2009 via the rotary drilling method to a depth of 140 feet. The well was constructed with 6-inch diameter PVC casing that is blank from 0 to 120 feet and perforated from 120 to 140 feet. A bentonite annular seal was installed from 0 to 80 feet and gravel pack from 80 to 140 feet. The wellhead was not constructed with any appurtenances such as a casing vent or gravel chute. The well is equipped with a submersible pump. The size of the pump and the depth of the pump setting is unknown. The well discharges directly to the bladder tank that provides system pressure.

The discharge piping from the well is 2 inches in diameter. The discharge line includes a check valve and a hosebib prior to a tee that delivers the water directly to the domestic water supply system that serves the two residential connections as well as the convenience store/hot deli. A separate discharge line is equipped with a valve and when the valve is open, the water flows through a bladder tank to the irrigation system that is used to irrigate a nearby field. The hosebib on the discharge pipe is used for collection of raw water samples. The hosebib was threaded and a garden hose was located nearby. It is important that the System ensure that the hose is not left connected to the hosebib when it is not in use. *To prevent a potential cross connection from a hose connected to the hosebib, the System should install an air vacuum breaker on the hosebib. The System should provide photo documentation to the Division by September 30, 2015, showing that an air vacuum breaker has been installed at the hosebib.*

At the time of the inspection, there was no flow meter installed on the discharge line prior to the line entering the pressure tank. All water supply wells must have a flow meter installed at a location between the wellhead and the entrance to the distribution system in accordance with the California Waterworks Standards. As mentioned above,

at the time of the inspection, there was no flow meter installed on the discharge line from the well.

The System must install a flow meter equipped with a totalizer at a location between the wellhead and the entry point to the distribution system as required in the California Waterworks Standards. The system must submit receipts and/or photos as proof of flow meter installation by September 30, 2015. Beginning in October 2015, the System must begin recording the total production from the well at least one time per month and report the monthly production totals to the Division each year on the electronic annual report to the Drinking Water Program (e-AR).

In addition, at the time of the inspection, the discharge piping that flows to the irrigation system included a flexible section of temporary pipe (see Inspection Photos – Attachment A). The flexible piping can be a source of contamination if the section of pipe becomes brittle and leaks. The flexible section of pipe should be replaced by September 30, 2015, with a durable pipe material, such as PVC. The remaining discharge piping from the well is PVC. *The System should submit photo documentation as proof that the flexible pipe has been replaced with PVC, or other durable pipe material, by September 30, 2015. The line that is used to provide irrigation water is not properly protected against cross-connections as the flexible irrigation pipe is lying on the ground out to the field. The System must address this potential cross-connection as discussed below in the Cross-Connection Control Section of the report.*

At the time of the inspection, the area surrounding the wellhead had a lot of garbage and debris. The wellhead and bladder tank are not protected by an enclosure. *The System should ensure that the area around the wellhead and the bladder tank is kept free of garbage and debris to minimize the risk of the wellhead becoming contaminated.*

Destroyed Well

The System has one destroyed well onsite. The well served as the sole source of supply for the domestic water supply system up until 2009. In 2009, when the new well was drilled, Well No. 1, the old well was destroyed. The old well was destroyed due to levels of nitrate in excess of the maximum contaminant level in the water produced by the old well.

2.3 ADEQUACY OF SUPPLY

No production data is available since there is no flow meter present in the system. According to Hermelinda Ramirez, Owner, no water outages have occurred. As mentioned in Section 2.2 above, the System must install a flow meter and read the production data monthly beginning October 2015. The System must report the production data annually to the Division through the Electronic Annual Reports.

2.4 TREATMENT

The System does not provide routine treatment of the water produced by Well No. 1. The System is required to have an Emergency Chlorination Plan on file with the Division. The Emergency Chlorination Plan identifies how the System would adequately disinfect the source and the distribution system if there was a bacteriological contamination event. A review of the System's file showed that there was no Emergency Chlorination Plan on file.

An Emergency Chlorination Plan must be developed and submitted to the Division. Details of what is to be included in the plan can be found in the guidance document attached to this report. The System should use the attached guide to create an Emergency Chlorination Plan and submit it to the Division by September 30, 2015 (Attachment B) for review and approval.

2.5 STORAGE AND DISTRIBUTION SYSTEM

No storage is provided for the water system. System pressure is provided through a 119-gallon bladder tank located adjacent to the wellhead. The bladder tank is equipped with a pressure gauge. It is thought that the distribution system is pressurized to at least 40 psi at all locations. The distribution system consists of 1-inch diameter PVC lines. System pressure is maintained between 40 and 60 psi according to records from the County of Merced. The discharge piping from the bladder tank includes a line that provides potable water to the convenience store and the two residential connections along with a second discharge line that provides irrigation water to the adjacent field.

2.6 OPERATION AND MAINTENANCE

The System is owned by Ruben and Hermelinda Ramirez. Operation, routine maintenance and all record keeping practices are provided by the owner. The Water System is not required at this point to acquire any level of operator certification since no treatment is provided and the system is classified as a transient-noncommunity water system.

2.6.1 Cross-Connection Control Program

The Water System is required to monitor for cross connections on a continual basis and ensure there are adequate backflow prevention devices at all possible contamination points. Backflow prevention devices are to be tested and certified by a licensed

Backflow Prevention Device Tester on an annual basis. If applicable, submit copies of the results to the Division. A preliminary cross-connection control survey was conducted during the inspection. *A potential cross-connection exists between the domestic water supply system and the irrigation line that is used to irrigate the adjacent field. The system must install an approved backflow prevention device on the discharge line that serves as an irrigation line for the adjacent field. By September 30, 2015, the System should submit photo documentation that an approved backflow prevention device has been installed on the discharge line to the irrigation system.*

As noted in Section 2.5, the System should install an air vacuum breaker on the hosebib that is located on the discharge line from the pressure tank to prevent a possible cross-connection.

2.6.2 Complaints

Due to the small size of the water system, complaints are received directly by the owners. Once received, the owners diagnose the complaint and take whatever actions are necessary to resolve the issue. The Water System must continue to record each complaint received and report that information to the Division on the electronic Annual Report to the Drinking Water Program each year.

2.6.3 Emergency Notification Plan

The Water System has an Emergency Notification Plan on file with the Division dated April 1, 2014. The Plan lists Ruben and Hermelinda Ramirez as the contacts in the event of an emergency. The Plan specifies door-to-door contact and posting notices in the convenience store/hot deli at all places where potable water is available to the public. In addition, the System would notify Merced County Environmental Health Department in case of emergency because of the food facility. Water to the soda fountain would be shut off until the emergency water quality concern has been eliminated.

The system must update the Emergency Notification Plan any time system personnel changes occur.

2.6.4 Bacteriological Sample Siting Plan (BSSP)

The Division did not have a Bacteriological Sample Siting Plan (BSSP) on file for the System. A BSSP was created with the assistance of Hermelinda Ramirez during the site inspection. A copy of the BSSP is included in Attachment C. To comply with the California Groundwater Rule's triggered source monitoring, the System must ensure a source sample is collected any time there is a total coliform positive in the distribution system. One way to ensure this requirement is complied with is to identify the well

(Well. No 1) as the third repeat site for each routine distribution system site as indicated on the attached BSSP.

The System must ensure that five routine bacteriological samples are collected the month following a month that total coliform is found in a routine distribution system bacteriological sample. In addition, any time the system pressure drops below 5 psi, the System must provide a Boil Water Order (BWO – Tier 1 Public Notification) to all users of the Water System as well as notify the Division and the Merced County Environmental Health Department. The System must remain on the BWO until special investigative bacteriological samples show that the water in the distribution system is free from coliform bacteria. An example of a BWO – Tier 1 Public Notification is attached (Attachment D).

2.7 SOURCE WATER QUALITY MONITORING

2.7.1 Vulnerability Assessment for Sources

A source water assessment has not been conducted for the system. A source water assessment is an evaluation of a drinking water source that includes delineation of the boundaries of the source area, identification of Possible Contaminating Activities (PCAs) within the delineated area, a determination of the PCAs to which the source is most vulnerable, and a summary of the vulnerability of the source to contamination.

A source water assessment form will be completed in the near future. A copy of the completed source water assessment will be provided to the system upon completion.

2.7.2 Water Quality and Monitoring

The source for this water system currently meets all primary drinking water standards for the system classification. The Water System must comply with the following ongoing water quality monitoring schedule. All water quality monitoring results obtained in a calendar month must be submitted to the Division by the tenth (10th) day of the following month.

Constituent	***Frequency***	***Date last sampled***	***Next due date***
Bacteriological – Distribution System	Minimum of once every three months	6/2015	September 2015
Nitrate	Once a year	6/11/2015	**Due by 9/30/2015**
Nitrite	Once every three years	6/11/2015	June 2018

Initial Water Quality Monitoring

All transient-noncommunity water systems are required to monitor for fluoride, iron, manganese, bicarbonate, carbonate, hydroxide alkalinity, calcium, magnesium, sodium, hardness and pH at least one time. A review of the Division's database showed that the System completed the one time monitoring that is mentioned above in November 2009 when the well was first drilled. No further monitoring for these constituents, with the exception of nitrate and nitrite, is required. All water quality monitoring results must be submitted to the Division's Water Quality Inquiry (WQI) database electronically via Electronic Data Transmission (EDT) using the primary station code for Well No. 1 (PS Code 2400326-001).

Nitrate and Nitrite Monitoring

Routine monitoring for nitrate and nitrite is due annually and every three years, respectively. The System monitored the source for nitrate and nitrite on June 11, 2015, as indicated in the table above. The nitrate levels in the water produced by the well were 43.5 mg/L (as NO3) and the nitrite levels were non-detect. The nitrate MCL is 45 mg/L. The System is required to increase the frequency of monitoring for nitrate from annual to quarterly for a minimum of one year because the nitrate concentration was reported as greater than one half of the MCL. If at any time, the nitrate concentration in the water produced by the well is greater than the MCL, 45 mg/L, the Division will issue a compliance order and the System will be required to drill a new well or provide nitrate removal treatment. *The next quarterly sample for nitrate must be collected from the well by September 30, 2015.*

Bacteriological Monitoring – Distribution System

Far West Laboratories is contracted to collect and analyze one bacteriological sample quarterly from the kitchen sink faucet. The total coliform results are reported as Presence/Absence. It should be noted that Well No. 1 must be analyzed for E. coli bacteria if a routine distribution system sample is positive for total coliform bacteria, as required by the California Groundwater Rule. Since April 2014, one bacteriological sample has been collected, in June 2015, and it was absent of total coliform bacteria. *According to the laboratory results, the sample was collected from the well. The System must ensure that the routine distribution system bacteriological sample is collected from the kitchen sink faucet in accordance with the BSSP. Failure to monitor at the correct location will result in the System receiving a monitoring and reporting violation.*

A copy of the water quality monitoring schedule for transient-noncommunity water systems is attached (Attachment E).

III. APPRAISAL OF SANITARY HAZARDS & PUBLIC HEALTH SAFEGUARDS

Overall, the Westside Grocery water supply facilities are in good sanitary condition and appear to be operating satisfactorily under competent supervision. An evaluation of the water quality data was completed and the water produced by Well No. 1 meets all of the applicable primary drinking water standards. However, the nitrate concentrations in the water produced by the well are significantly elevated. The System will commence with quarterly nitrate monitoring to determine compliance with the maximum contaminant level for nitrate. The Water System appears to have adequate source capacity since there have not been any low pressure or water outages reported to the Division. Starting in October 2015, the System will be able to monitor the total well production monthly.

IV. CONCLUSIONS AND RECOMMENDATIONS

The Westside Grocery Water System is classified as a transient-noncommunity water system. It is recommended that a new domestic water supply permit be granted to the Westside Grocery Water System to continue operation of the existing system subject to the following provisions:

1. The permitted active source for the Westside Grocery Water System is Well No. 1 (PS Code 2400326-001). The Merced District Office of the Drinking Water Field Operations Branch (DWFOB) must permit all other sources before they can be used in the water system.
2. The Westside Grocery Water System must comply with the attached water quality monitoring schedule for Well No. 1. All water quality monitoring results obtained in a calendar month must be submitted to the Division via electronic data transfer (EDT) by the tenth day of the following month.
3. The Westside Grocery Water System shall submit plans and specifications for all proposed sources of supply and/or water treatment projects to the Division for review and approval prior to construction.
4. The Westside Grocery Water System must submit an annual report to the Drinking Water Program each year, documenting specific system information for the prior year. The report shall be in the format specified by the Division and be submitted by the deadline specified by the Division.

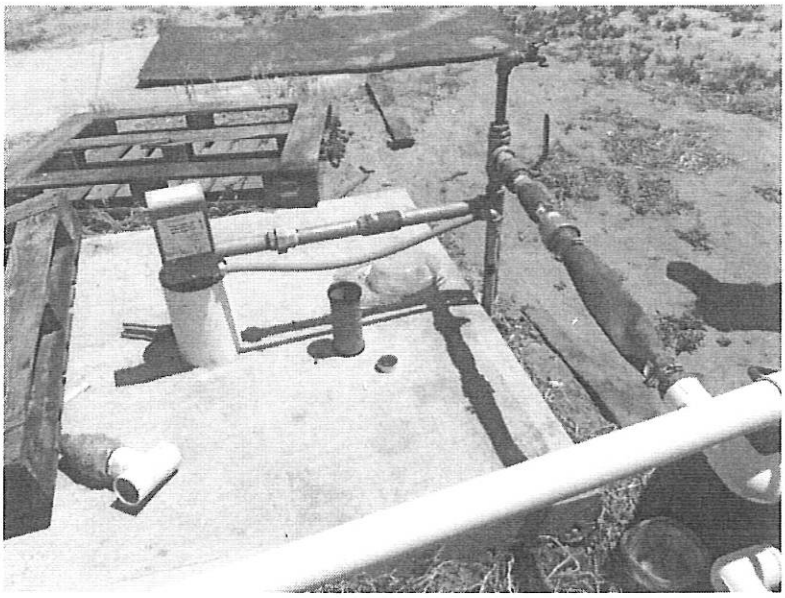
Report Prepared By: Kassy D. Chauhan, P.E.
Senior Sanitary Engineer

Attachment A: Inspection Photos – May 5, 2015
Attachment B: Emergency Chlorination Plan Guidelines
Attachment C: Bacteriological Sample Siting Plan
Attachment D: Boil Water Order – Tier 1 Public Notification Template
Attachment E: Water Quality Monitoring Schedule

ATTACHMENT A:

Inspection Photos – May 5, 2014

Inspection Photos
Westside Grocery Water System
System No. 2400326
May 5, 2014



Picture No. 1: The sole source of supply for the Westside Grocery Water System is a well that is located at the back of the property near one of the houses. The well discharge piping features a check valve and a hose bib and a portion of the discharge piping, prior to entering the bladder tank, is flexible. The section of flexible pipe on the irrigation discharge line that goes into the bladder tank, needs to be replaced with a more durable pipe material, such as PVC. In addition, an air vacuum breaker needs to be installed on the hosebib to protect against potential cross connections

Picture No. 2: The discharge piping from the well is directly fed into the domestic water supply system which serves the two residential connections in addition to the convenience store/hot grill. In addition, the well has a second discharge line that goes through a bladder tank and then discharges to a section of flexible pipe that provides irrigation water for the nearby field. The irrigation discharge line is not adequately protected against potential cross-connections and the System must install an RP device to ensure that the domestic water supply system is adequately protected against a potential cross connection from the irrigation system.

ATTACHMENT B:

Emergency Chlorination Plan Guidelines

State Water Resources and Control Board
July 2014

EMERGENCY DISINFECTION PLAN REQUIREMENTS

An emergency disinfection plan, designed to outline procedures in the event of bacteriological contamination, shall be developed and a copy submitted to our office. The plan shall outline specific response procedures for disinfection of wells, pressure tanks, storage tanks and installation of emergency chlorination equipment. Guidance on the operation of the emergency disinfection equipment, to be included in the Emergency Disinfection Plan, is included in the attached document (Emergency Disinfection Plan Guidance).

The plan shall state that the necessary equipment is on-site or readily available and the means by which to connect and activate it have been provided. Those items needed to accommodate emergency chlorination equipment include:

- An all weather, 110 volt electrical receptacle, energized by the well pump operation.
- A three-quarter (3/4) inch threaded tap on the piping downstream of the well check valves for use as a chlorine injection point.
- A sample tap (non-threaded) at least three to six feet downstream of the chlorine injection point.

The plan should further state that qualified personnel (specify who) are under contract to carry out the plan and install, adjust and operate the equipment as necessary. The plan should also include the treatment or distribution operator certification grade and emergency telephone numbers of water system staff and certified operator(s).

Attachment: Emergency Disinfection Plan Guidance

Emergency Disinfection Plan Guidance
for
Public Water Systems

The purpose of this Emergency Disinfection Plan (EDP) is to assist utilities implement emergency chlorination. The guidance provided below is designed to facilitate the installation of emergency chlorination equipment and to assist in the setting of chemical dosage in order to maintain acceptable free chlorine residual needed to insure public health protection immediately after a disaster. Items which should be obtained prior to the onset of a disaster include the following equipment:

1. Emergency chlorination units.
2. Chlorine residual test kits (preferably DPD)
3. Granular Calcium Hypochlorite, 65% available chlorine, (liquid sodium hypochlorite has a relatively short shelf life so it is advisable that it not be purchased in advance). Chemicals used for emergency chlorination must be approved under ANSI/NSF[1] Standard 60 (direct additives).

Installation Procedures

A utility should not wait until an emergency has occurred before it attempts to install its emergency chlorination equipment. It is advisable that all field maintenance staff be familiar with the installation procedures in order to quickly install the emergency chlorination equipment. The remainder of this plan addresses the use of hypochlorinators in the event of an emergency. For those utilities which use gas chlorination units, they should already be familiar with their operation if they are using this type of equipment.

The chlorination equipment purchased by the utility must be adequately sized for the proposed installation. The feed capacity of the hypochlorinator should allow the utility to does at a minimum of 5 parts per million free chlorine residual. After the emergency chlorination units have been physically connected to the wells and/or other sources in question, refer to the attached table or use the following procedures to calculate the appropriate settings. If you are unable to perform these calculations, contact a staff of the Drinking Water Program immediately.

The attached tables may be used to mix a solution of a known strength. Decide on a solution strength that you wish to use and find the amount of chlorine needed for a 100 gallon barrel from Table 1.

Table 2 can be used to determine the volume of solution to be added for different flow rates for each mg/L of chlorine dosage. It should be recognized that large capacity wells will need stronger solution strengths or the feed barrel will need to be filled too frequently. The volumes in table 2 are in gallons per day (gpd). If the feed pump capacity is given in gallons per hour, then the volume from Table 2 must be divided by 24 to give a gph value.

To determine the appropriate pump setting, the value from Table 2 must be divided by the feed pump capacity.

Example:

Feed Pump Capacity = 10 gph; Q = 1500 gpm; 7% solution; 5 mg/L dosage

From table 2 → Chlorine Volume = 30.9 gpd for each mg/L.

For 5 mg/L → 5 x (30.9) = 154.5 gpd

Since feed pump has a maximum capacity of 10 gph, the appropriate length of stroke setting is:

$$\frac{154.5 \times 24}{10 \text{ gph}} = 0.64$$

Outlined below are the equations to use if the Tables are not used:

1. A solution barrel of a known volume must be obtained. The barrel should be filled with a known volume of water. To this volume, a known weight of chemical should be added. The solution strength must be determined using the equation given below:

$$\% \text{ solution} = \frac{\text{Weight of chemical added to solution barrel (lbs)}}{\text{Weight of water in solution barrel (lbs)}} \times 100$$

(1 gallon of water weighs 8.34 lbs)

A 6% solution can be obtained by adding one half pound of chemical per gallon of water using a 100 gallon barrel. (see below):

50 / (100 x 8.34 lb/gal of water) x 100 = 5.99 or 6%

↓

used to get percentage

To calculate the pounds per hour of chemical that must be added to obtain a know chlorine concentration, the following equation must be used:

<u>Equation #1:</u>

lbs per hour of chemical = 8.34 x desired dosage in ppm x flow rate in gpm x 60 min/1,000,000

Assuming the desired dosage is 5 ppm that gives the following equation:

Equation #2: lbs per hour of chemical = 2.5×10^{-3} x flow rate in gpm

Next you must determine the required gallons per hour of chemical to be added. This must be obtained using the following equation:

Equation #3:

gallons per hour of chemical = lbs per hour / 8.34 / solution strength / 100 (from above)

Once this value has been obtained, then the next step is to review the maximum feed rate in gallons per day of the chemical feed pump. This is generally printed in a label attached to the pump and it may specify the discharge pressure this maximum rate applies to. Most chemical feed pumps have either a length of stroke setting or two settings for frequency of stroke and length of stroke. To determine what settings should be used, a review of the instrumentation on the pump must be conducted.

If two control settings are provided, then set the frequency control at 100% and provide adjustment only to the length of stroke adjustment. The equation to be used to determine at what setting the length of stroke should be, is given below:

Percent length of stroke = gallons per hour (obtained above) x 24 x 100 / the pump capacity in gpd

This numerical setting should be used when adjusting the pump. If both pump settings are to be changed from 100%, then the percent stroke equation is as follows:

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A check on the actual dosage can be performed by using the total gallons of solution pumped within a known operating period. That information can be used as follows:

$$\text{Actual Dosage} = \frac{\text{gallons of solution x solution strength}}{\text{gallons of water treated in MG}}$$

An easier way to use hypochlorination equipment is to have calibration or volumetric feed cylinders installed on the intake line to the pump. If these cylinders are available, then a known volume of solution can be pumped and the time it takes to pump that volume is used to determine gallons per hour at a known discharge pressure. The actual percent solution must still be known to conduct the other calculations.

Once a utility has implemented emergency chlorination of their system, it is important to conduct follow up distribution chlorine residual monitoring to determine the effectiveness of the chlorination process. In the event of an emergency, hypochlorination equipment should be used to dose the system at 2 ppm of free chlorine residual. Chlorine residual monitoring within the distribution system should take place to verify that an adequate residual is being obtained

at all locations within the distribution system. Any areas which have suppressed chlorine residuals should receive further investigation to determine whether or not there are other problems associated with the reduced residuals.

Flushing should be provided if possible, to draw the chlorinated water into the distribution system as soon as possible.

In addition to the chlorine residual monitoring, bacteriological sampling of the distribution system in all areas should be conducted. Chlorine residual monitoring in addition to bacteriological sampling should be used to further define areas of distribution system that need additional investigation. Chlorination of the system should continue until it has been verified that no structural problems exist within the distribution system and all bacteriological monitoring shows that there is no presence of pathogenic organisms.

TABLE 1

AMOUNT OF CHLORINE PER 100 GALLON BARREL*

Solution Strength / Type of Chlorine	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%
5% Sodium Hypochlorite**	60 gal	80 gal	100 gal								
12.5% Sodium Hypochlorite**	24 gal	32 gal	40 gal	48 gal	56 gal	64 gal	72 gal	80 gal	88 gal	96 gal	
65% Calcium Hypochlorite***	38 lbs	51 lbs	64 lbs	77 lbs	90 lbs	103 lbs	116 lbs	128 lbs	141 lbs	167 lbs	

* Add the quantity indicated to the 100 gallon barrel and then fill the remaining volume with water.

** The sodium hypochlorite must be ANSI/NSF[1] certified for potable drinking water and approved as direct additive (ANSI/NSF Standard 60).

1: American National Standard Institute (ANSI) or National Sanitation Foundation (NSF)

*** HTH, tablets or granular chlorine

Example: For 10% solution using 12.5% sodium hypochlorite, use 80 gallons of sodium hypochlorite and add 20 gallons of water.

Example: For 10% solution using 65% available Calcium Hypochlorite (CaHOCl), use 128 lbs of granular chlorine and add water to fill barrel and mix.

TABLE 2

CHLORINE VOLUME REQUIRED GALLONS PER DAY (GPD) PER MG/L OR PPM OF DESIRED CHLORINE DOSAGE*

Solution Strength / Flow Rate	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%
50 gpm	2.4	1.8	1.4	1.2	1.03	0.9	0.8	0.7	0.7	0.6	0.6
75 gpm	3.6	2.7	2.0	1.8	1.5	1.4	1.2	1.0	1.0	0.9	0.8
100 gpm	4.8	3.6	2.9	2.4	2.0	1.8	1.6	1.4	1.3	1.2	1.1
300 gpm	14.4	10.8	8.6	7.2	6.2	5.4	4.8	4.3	3.9	3.6	3.3
500 gpm	24.0	18.0	14.4	12.0	10.3	9.0	8.0	7.2	6.6	6.0	5.5
800 gpm	38.4	28.8	23.0	19.2	16.5	14.4	12.8	11.5	10.5	9.6	8.9
1000 gpm	48.0	36.0	28.0	24.0	20.6	18.0	16.0	14.4	13.1	12.0	11.1
1500 gpm	72.0	54.0	43.2	36.0	30.9	27.0	24.0	21.6	19.6	18.0	16.6
2000 gpm	96.0	72.0	57.6	48.0	41.1	36.0	32.0	28.8	26.2	24.0	22.2

* Values in the Table are the flow rates in gallons of solution per day that be added for each mg/L of desired dosage.

Example: Well Discharge = 1,000 gpm

Solution Strength = 5%

Desired Dosage = 5 mg/L or 5 ppm

From Table 2, Need to add 28.8 gpd per mg/L (or ppm)

Therefore, 5 mg/L x 28.8 gpd/(mg/L) = 144 gpd.

State Water Resources Control Board
Division of Drinking Water

State Water Resources and Control Board
July 2014

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800 gpm	38.4	28.8	23.0	19.2	16.5	14.4	12.8	11.5	10.5	9.6	8.9
1000 gpm	48.0	36.0	28.0	24.0	20.6	18.0	16.0	14.4	13.1	12.0	11.1
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Solution Strength = 5%

Desired Dosage = 5 mg/L or 5 ppm

From Table 2, Need to add 28.8 gpd per mg/L (or ppm)

Therefore, 5 mg/L x 28.8 gpd/(mg/L) = 144 gpd.

ATTACHMENT C:

Bacteriological Sample Siting Plan

ATTACHMENT B (see p. 6 of instructions)

BACTERIOLOGICAL SAMPLE SITING PLAN

System No.: 2400526	System Name: Westside Grocery
PWS Classification: TNC	No. Monthly Users: Daily Users:
No. Active Service Connections: 3	Distribution Sampling Frequency: 1/qtr
Source Sampling Frequency: Following TC+	Continuous Water Treatment: ✓
Name of Trained Sampler: Farwest Laboratories	Analyzing Lab: Farwest Laboratories
Person responsible to report coliform-positive samples to Division Hermelinda Ramirez	Day/Evening Phone No.: 209-
Signature of Water System Representative: Hermelinda Ramirez	Date: 3/6/15

Sample ID	Sample Type	Sample Point	Location of Sample Point	Address of Sample Point	Months Sample Collection at this Location
1-ROU	Routine	faucet	kitchen sink	store	Quarterly: Mar., June, Sept., Dec.
1-REP1	Repeat	hosebib	House 1	House closest to Store	Repeat Sample Only
1-REP2	Repeat	Hosebib	House 2	House farthest from store	Repeat Sample Only
1-REP3	Repeat	wH	Wellhead	wellhead	Repeat Sample Only
2-ROU	Routine	Hosebib	House 1	house closest to store	Following TC+
2-REP1	Repeat	hosebib	House 2	house farthest from store	Repeat Sample Only
2-REP2	Repeat	faucet	kitchen sink	store	Repeat Sample Only
2-REP3	Repeat	wH	wellhead	wellhead	Repeat Sample Only
3-ROU	Routine	hosebib	House 2	house farthest from store	Following TC+
3-REP1	Repeat	hosebib	House 1	house closest to store	Repeat Sample Only
3-REP2	Repeat	faucet	kitchen sink	store	Repeat Sample Only
3-REP3	Repeat	wH	wellhead	wellhead	Repeat Sample Only
4-ROU	Routine	faucet	store/sink	handwash sink store	Following TC+
4-REP1	Repeat	hosebib	store	outside back window	Repeat Sample Only
4-REP2	Repeat	hosebib	House 1	closest to store	Repeat Sample Only
4-REP3	Repeat	wH	wellhead	wellhead	Repeat Sample Only
5-ROU	Routine	hosebib	store	outside store window	Following TC+
5-REP1	Repeat	hosebib	House 1	House 1	Repeat Sample Only
5-REP2	Repeat	hosebib	house 2	house 2	Repeat Sample Only
5-REP3	Repeat	well	wellhead	wellhead	Repeat Sample Only

If the water system has one or more total coliform-positive samples, at least five routine samples will be collected the following month.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

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

DRINKING WATER WARNING

[System] water is contaminated with [fecal coliform or *E. coli*]

BOIL YOUR WATER BEFORE USING

[Fecal coliform or *E. coli*] bacteria were found in the water supply on [date]. These bacteria can make you sick, and are a particular concern for people with weakened immune systems.

What should I do?

- **DO NOT DRINK THE WATER WITHOUT BOILING IT FIRST.** Bring all water to a boil, let it boil for one minute, and let it cool before using, or use bottled water. Boiled or bottled water should be used for drinking, making ice, brushing teeth, washing dishes, and food preparation **until further notice**. Boiling kills bacteria and other organisms in the water.
- *Fecal coliforms and E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, some of the elderly, and people with severely compromised immune systems.* The symptoms above are not caused only by organisms in drinking water. If you experience any of these symptoms and they persist, you may want to seek medical advice.
- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from EPA's Safe Drinking water Hotline at 1(800) 426-4791.

What happened? What is being done?

Bacterial contamination can occur when increased run-off enters the drinking water source (for example, following heavy rains). It can also happen due to a break in the distribution system (pipes) or a failure in the water treatment process.

[Describe corrective action]. We will inform you when tests show no bacteria and you no longer need to boil your water. We anticipate resolving the problem within [estimated time frame].

For more information, please contact [name of contact] at [phone number] or [mailing address].

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- SCHOOLS: Must notify school employees, students, and parents (if the students are minors).

- RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS (including nursing homes and care facilities): Must notify tenants.
- BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS: Must notify employees of businesses located on the property.

This notice is being sent to you by [system].

State Water System ID#: [number]. Date distributed: [date].

ATTACHMENT E:

Water Quality Monitoring Schedule

WATER QUALITY MONITORING SCHEDULE
Transient Noncommunity System (**TNC1**)
DATED - January 2015

Chemical - Title 22	**MCL (mg/L)**	**Frequency**
Primary Inorganics - Section 64432		
Aluminum	1	Not Required
Antimony	0.006	Not Required
Arsenic	0.010	Not Required
Barium	1	Not Required
Beryllium	0.004	Not Required
Cadmium	0.005	Not Required
Chromium (Total Chromium)	0.05	Not Required
Hexavalent Chromium (Chrome 6)	0.010	Not Required
Cyanide	0.15	Not Required
Fluoride	2.0	Once only
Mercury	0.002	Not Required
Nickel	0.1	Not Required
Perchlorate	0.006	Not Required
Selenium	0.05	Not Required
Thallium	0.002	Not Required
Asbestos - Section 64432.2		
Asbestos - Source Water	7 MFL	Not Required
Nitrate/Nitrite - Section 64432.1		
Nitrate (as NO3)	45	Annually if < 23 mg/L (1)
Nitrite (as nitrogen)	1	Every 3 years if <0.5 mg/L (2)
Nitrate + Nitrite (sum as nitrogen)	10	N/A
Secondary Standards - Table 64449-A		
Aluminum	0.2	Not Required
Color	15	Not Required
Copper	1.0	Not Required
Foaming Agents	0.5	Not Required
Iron	0.3	Once only
Manganese	0.05	Once only
Methyl-*tert*-butyl ether (MTBE)	0.005	Not Required
Odor	3	Not Required
Silver	0.1	Not Required
Thiobencarb	0.001	Not Required
Turbidity	5	Not Required
Zinc	5	Not Required
General Minerals - Section 64449		
Bicarbonate	N/A	Once only
Carbonate	N/A	Once only
Hydroxide Alkalinity	N/A	Once only
Calcium	N/A	Once only
Magnesium	N/A	Once only
Sodium	N/A	Once only
Hardness	N/A	Once only
pH	N/A	Once only
Secondary Standards - Table 64449-B		
TDS	500-1000;1500	Not Required
Specific Conductance	900-1600; 2200	Once only
Chloride	250-500;600	Not Required
Sulfate	250-500;600	Not Required

MCL = Maximum Contaminant Level

(1) Nitrate sampling shall be increased to quarterly following any result ≥ 23 mg/L. Upon request, this may be reduced to ar frequency after 4 quarters of monitoring. Contact your district office.

(2) Nitrite sampling shall be increased to quarterly following any result ≥ 0.5 mg/L. Upon request, this may be reduced to ar frequency after 4 quarters of monitoring. Contact your district office.

Appendix C

DRINKING WATER FIELD OPERATIONS BRANCH

NOTICE OF CITATION ISSUANCE
PENALTY

BACKGROUND STATEMENT

The State Water Resources Control Board, Division of Drinking Water, issued **Citation No. 03-11-17C-014** for the **Westside Grocery** (Public Water System No. **2400326**).

This Citation carries a penalty of $1,500.00 (one thousand and five hundred dollars).

METHOD OF PAYMENT

Within 90 days of receipt of this Citation, submit a check in the amount of $1,500.00 made payable to:

SWRCB – Division of Drinking Water

and mail to:

SWRCB Accounting Office
ATTN: Drinking Water Program Fees
P.O. Box 1888
Sacramento, CA 95812-1888

(Please indicate the Citation Number on the Check)

(Attach Check Here)