Cross Connection Control Survey

Yokohl Mutual Water Company

In this report are the findings from a Cross Connection Control Survey Completed by Thomas Ridenour Cross Connection Control Specialist. This Report will contain recommendations that will better protect your water system.

9/13/2019

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Cross Connection Control Survey Location:

1017 West Cambridge Avenue Visalia, CA 93277

Purpose of Survey:

To determine real or potential cross connection control issues throughout the Water System.

Date and Time of Survey:

A physical inspection of the property was completed on June 18th 2019.

Water System Description:

Yokohl Mutual Water Company is classified as a community water system with 32 service connections and a population of approximately 95 people. The domestic water supply is obtained from 2 ground water sources. The main water source is Well #1, and Well #2 is used as a stand by well for emergencies. The water system does not have any onsite storage. Normal water pressure in the system is maintained between 40 and 60 pounds per square inch (PSI).

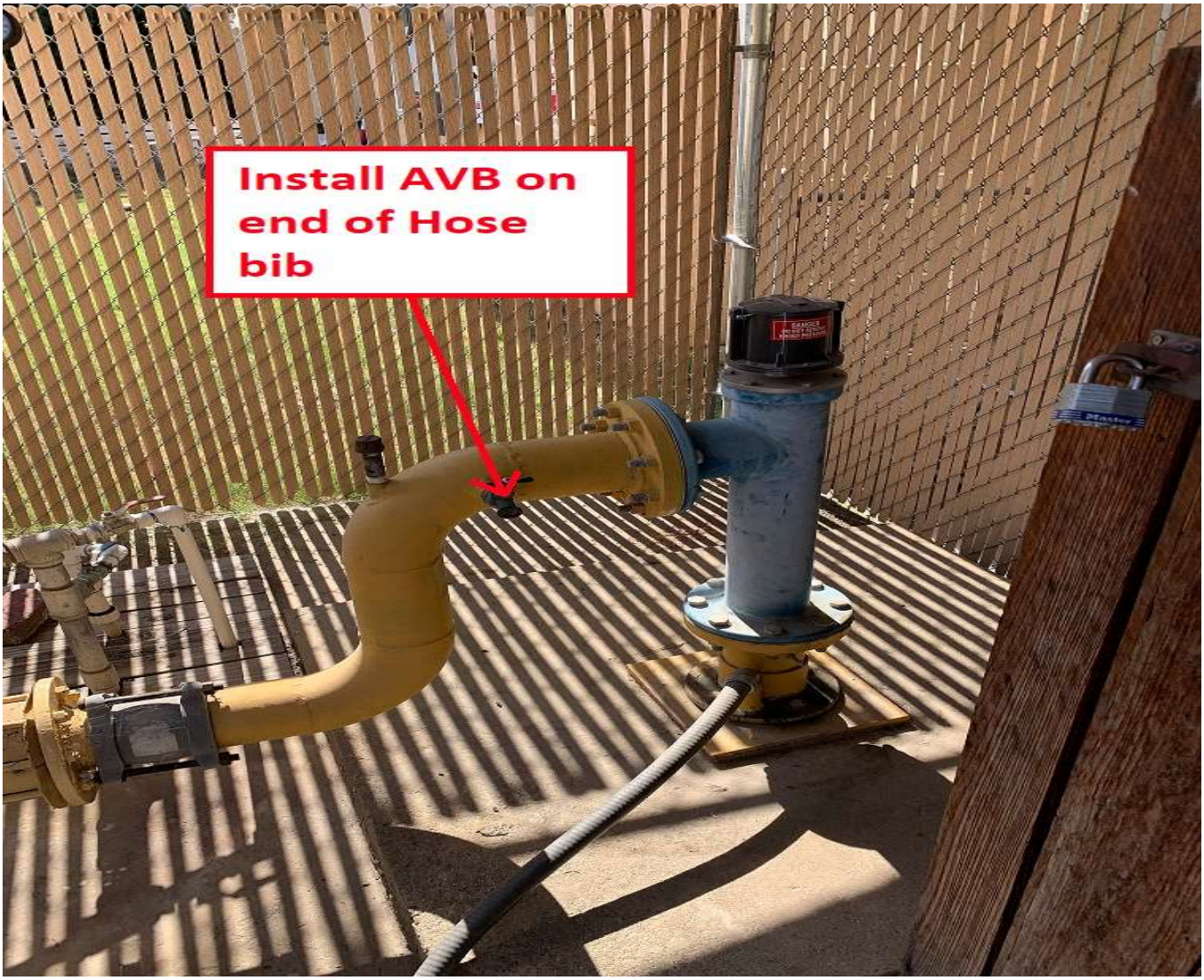
General Notes and Findings

Note #1

Location: Well #1

Findings: Hose bib at well site didn't have any backflow protection installed.

Recommendation: Install an Atmospheric Vacuum Breaker (AVB) on end of hose bib. If this hose bib is used as a dedicated sample tap then the threads need to be cut off to not allow any hose to be connected to hose bib.



Note #2:

Location: Well #1

Findings: Hose bib at well site didn't have any backflow protection installed.

Recommendation: Install an Atmospheric Vacuum Breaker (AVB) on end of hose bib.

Note #3:

Location: Well #1

Findings: Service connection doesn't have backflow protection.

Recommendation: Install a Reduced Pressure Principal Backlfow preventer on the service connection. The location this service connection supplies was undertermined at the time of inspection.

Note #4:

Location: Well #3 stand by well

Findings: Hose bib at well site didn't have any backflow protection installed.

Recommendation: Install an Atmospheric Vacuum Breaker (AVB) on end of hose bib.

Note #5:

Locations: Residences with Swimming Pools, Ponds, Decorative fountains, fishponds.

Findings: Water in the items listed above are open to the atmosphere, and the potential for contamination is evident, the water must be considered a health hazard. It is true that some swimming pools are kept very clean and the water is tested regularly. However, the quality of this water is not on the same level as drinking water. Proper backflow protection must be installed on all fill lines to the items listed above.

Recommendation: Water System needs to verify that proper backflow protection is installed on all fill lines to Swimming Pools, Ponds, Decorative Fountains, and Fish Ponds. Due to the degree of hazard a Reduced Pressure Backflow Assembly will need to be installed for these locations.

Note #6:

Location: All Residences

Findings: No Backflow protection at each service connection.

Recommendation: Install a Reduced Pressure Principal backflow preventer at each service connection.

Cross Connection Control Survey Summary

Yokohl Mutual Water System seems to be in good working order, although there were items found in the field survey that need to be corrected to help better protect the water system.

Notes #1, #2 and #4: Atmospheric Vacuum Breakers need to be installed on the end of each hose bib to prevent a backflow incident. Water has the potential to back siphon from a hose if the AVB is not installed.

Note #3: A reduced pressure principal backflow preventer needs to be install on the service connection. What the service connection supplied was unknown at the time of field survey. I recommended the RP be installed due to the unknown location the water supply is servicing.

Note #5: is a generalized note, and the items listed will have to be verified by your water system representative. The note outlines what type of backflow protection needs to be installed if any of the items are in your water system.

Note #6: Install Reduced Pressure Principal backflow preventers (RP) at each service connection. Installing RP's at each service connection will be the greatest protection to your water system. The RP's protect against back siphonage and back pressure. Service connection protection is recommended due to the fact that the water system can't control what is happening on each property.

This report does not address every single cross connection or potential cross connection on the property. This report does not address what could be hidden behind debris or the potential cross connections that may exist in the interior of buildings.

Thank you for the opportunity to complete this Cross Connection Control Survey.

(SEE ATTACHMENTS BELOW FOR EXAMPLES OF BACKFLOW PREVENTERS)

Typical Pressure Vacuum Breaker (PVB) Installation:

Typical Reduced Pressure Principal Backflow Preventer (RP) installation.

Reduced Pressure Principal Backflow Preventer (RP)

Atmospheric Vacuum Breaker (AVB) for Hose bib locations