## APPENDIX B: eCCR Certification Form (Suggested Format)

**Consumer Confidence Report Certification Form**
*(To be submitted with a copy of the CCR)*

| | |
|---|---|
| Water System Name: | Thomas Corp McHenry BC Water System |
| Water System Number: | 5000411 |

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 03/14/2022 to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water (DDW).

Certified by:

| | |
|---|---|
| Name: Sam Hedge | Title: WDO |
| Signature: | Date: 05/07/2022 |
| Phone number: 209-406-6069 | blank |

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

- ☒ CCR was distributed by mail or other direct delivery methods (Hand Delivered).
- ☐ CCR was distributed using electronic delivery methods described in the Guidance for Electronic Delivery of the Consumer Confidence Report (water systems utilizing electronic delivery methods must complete the second page).
- ☐ "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:
  - ☐ Posting the CCR at the following URL: www._____
  - ☐ Mailing the CCR to postal patrons within the service area.
  - ☐ Advertising the availability of the CCR in news media (attach copy of press release)
  - ☐ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)
  - ☐ Posted the CCR in public places (attach a list of locations). Community Bulletin Boards & Office.
  - ☐ Delivery of multiple copies of CCR to single-billed addresses serving several persons, such as apartments, businesses, and schools
  - ☐ Delivery to community organizations (attach a list of organizations)
  - ☐ Publication of the CCR in the electronic city newsletter or electronic community newsletter or listserv (attach a copy of the article or notice)
  - ☐ Electronic announcement of CCR availability via social media outlets (attach list of social media outlets utilized)
  - ☐ Other (attach a list of other methods used)
- ☐ *For systems serving at least 100,000 persons*: Posted CCR on a publicly-accessible internet site at the following URL: www._____
- ☐ *For privately-owned utilities*: Delivered the CCR to the California Public Utilities Commission

# 2021 Consumer Confidence Report

| Water System Name: | **McHenry Business Park** | Report Date: | 03/01/22 |
|---|---|---|---|

*We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2021 and may include earlier monitoring data.*

**Este informe contiene información muy importante sobre su agua para beber.**
**Favor de comunicarse McHenry Business Park a (209) 406-6069 para asistirlo en español.**

| | |
|---|---|
| Type of water source(s) in use: | Groundwater Well |
| Name & general location of source(s): | Main Well #4 at 5700 Meyer Dr. Modesto, CA |
| Drinking Water Source Assessment information: | Completed in June of 2002 - see last page |
| Time and place of regularly scheduled board meetings for public participation: | None |

| | | | |
|---|---|---|---|
| For more information, contact: | Sam Hedge | Phone: | (209) 406-6069 |

## TERMS USED IN THIS REPORT

**Maximum Contaminant Level (MCL)**: The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

**Maximum Contaminant Level Goal (MCLG)**: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

**Public Health Goal (PHG)**: The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

**Maximum Residual Disinfectant Level (MRDL)**: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

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

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

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

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

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

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

**ND**: not detectable at testing limit

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

**ppb**: parts per billion or micrograms per liter (µg/L)

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

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

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

**The sources of drinking water** (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

**Contaminants that may be present in source water include:**

- *Microbial contaminants*, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- *Pesticides and herbicides*, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- *Organic chemical contaminants*, including synthetic and volatile organic chemicals, that are by-products of industrial and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- *Radioactive contaminants*, that can be naturally-occurring or be the result of oil and gas production and mining activities.

**In order to ensure that tap water is safe to drink**, the U.S. EPA and the State Water Resources Control Board (State Water Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health.

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

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

**TABLE 1 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA**

| Microbiological Contaminants | Highest No. of Detections | No. of Months in Violation | MCL | MCLG | Typical Source of Bacteria |
|---|---|---|---|---|---|
| Total Coliform Bacteria (State Total Coliform Rule) | (In a mo.) 0 | 0 | 1 positive monthly sample (a) | 0 | Naturally present in the environment |
| Fecal Coliform or *E. coli* (State Total Coliform Rule) | (In the year) 0 | 0 | A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or *E. coli* positive | None | Human and animal fecal waste |
| *E. coli* (Federal Revised Total Coliform Rule) | (In the year) 0 | 0 | (b) | 0 | Human and animal fecal waste |

(a) Two or more positive monthly samples is a violation of the MCL.
(b) Routine and repeat samples are total coliform-positive and either is *E. coli*-positive or system fails to take repeat samples following *E. coli*-positive routine sample or system fails to analyze total coliform-positive repeat sample for *E. coli*.

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

| Lead and Copper (and reporting units) | Sample Date | No. of Samples Collected | 90th Percentile Level Detected | No. Sites Exceeding AL | AL | PHG | Typical Source of Contaminant |
|---|---|---|---|---|---|---|---|
| Lead (ppb) | 06/21/19 | 5 | < 5 | 0 | 15 | 0.2 | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits |
| Copper (ppm) | 06/21/19 | 5 | < 0.05 | 0 | 1.3 | 0.3 | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives |

**TABLE 3 – SAMPLING RESULTS FOR SODIUM AND HARDNESS**

| Chemical or Constituent (and reporting units) | Sample Date | Level Detected | Range of Detections | MCL | PHG (MCLG) | Typical Source of Contaminant |
|---|---|---|---|---|---|---|
| Sodium (ppm) | 11/03/14 | 27 | | None | None | Salt present in the water and is generally naturally occurring |
| Hardness (ppm) | 11/03/14 | 288 | | None | None | Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring |

| TABLE 4 – DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD | | | | | | |
|---|---|---|---|---|---|---|
| **Chemical or Constituent (and reporting units)** | **Sample Date** | **Level Detected** | **Range of Detections** | **MCL [MRDL]** | **PHG (MCLG) [MRDLG]** | **Typical Source of Contaminant** |
| Nitrate as Nitrogen (ppm) | 2021 | 10 | 9 - 10 | 10 | 10 | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits |
| Barium (ppm) | 11/25/20 | 0.1 | | 1 | 2 | Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits |
| Arsenic (ppb) | 11/25/20 | 3 | | 10 | 0.004 | Erosion of natural deposits; runoff from orchards; glass and electronics production wastes |
| Gross Alpha (pCi/l) | 06/19/19 | 8 | | 15 | 0 | Erosion of natural deposits |
| Uranium (pCi/l) | 06/19/19 | 7 | | 20 | N/A | Erosion of natural deposits |
| Dibromochloro - propane [DBCP] (ppt) | 04/28/21 | 25 | < 10 - 21 | 200 | 1.7 | Banned nematocide that may still be present in soils due to leaching from former crop use |

| TABLE 5 – DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD | | | | | | |
|---|---|---|---|---|---|---|
| **Chemical or Constituent (and reporting units)** | **Sample Date** | **Level Detected** | **Range of Detections** | **SMCL** | **PHG (MCLG)** | **Typical Source of Contaminant** |
| Total Dissolved Solids (ppm) | 11/03/14 | 388 | | 1000 | N/A | Runoff/leaching from natural deposits |
| Specific Conductance (umho/cm) | 11/03/14 | 543 | | 1600 | N/A | Substances that form ions when in water; seawater influence |
| Chloride (ppm) | 11/03/14 | 14 | | 500 | N/A | Runoff/leaching from natural deposits; seawater influence |
| Sulfate (ppm) | 11/03/14 | 22 | | 500 | N/A | Runoff/leaching from natural deposits' industrial wastes |

***Any violation of an MCL, MRDL, AL, or TT is asterisked. Additional information regarding the violation is provided on the nest page.***

## Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. U.S. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The McHenry Business Park water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/lead.

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

## Vulnerability Assessment Summary

A source water assessment was conducted for Well #3 (West Park Well) and Well #4 (East Main Well) of the Thomas Corp. water system in June of 2002. The sources are considered most vulnerable to the following activities associated with any detected contaminants: chemical/petroleum processing/storage, and fertilizer, pesticide/herbicide application.

These sources have a history of water samples that exceed the MCL (maximum contaminant level) for DBCP (dibromochloropropane). This chemical is typically associated with pesticide use. The general area where the sources are located, is rural as well as industrial. Pesticide use would be common practice. A Granular Activated Carbon Filtration System (GAC) was installed in April of 1994 to remove DBCP from the drinking water. These sources are still considered vulnerable to activities located near the drinking water sources. For additional information regarding the assessment summary, contact: Sam Hedge at: (209) 406-6069.