## 2021 Consumer Confidence Report

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| Water System Name: | **TN TRUSS** | Date | June 15, 2022 |

*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 to December 31, 2021 2*

*and may include earlier monitoring data.*

**Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse TN TRUSS a para asistirlo en español. 525 West Avenue G, Lancaster, CA 93535, 818-497-1291**

**这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系 TN TRUSS 以获得中文的帮助:525 West Avenue G, Lancaster, CA 93535*, 818-497-1291***

**Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa TN TRUSS, 525 West Avenue G, Lancaster, CA 93535 o tumawag sa 818-497-1291 para matulungan sa wikang Tagalog.**

**Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ TN TRUSS tại 525 West Avenue G, Lancaster, CA 93535, 818-497-1291 để được hỗ trợ giúp bằng tiếng Việt.**

**Tsab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau TN TRUSS ntawm 525 West Avenue G, Lancaster, CA 93535, 818-497-1291 rau kev pab hauv lus Askiv.**

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| Type of water source(s) in use: | | Ground Water Well | | | | | |
| Name & general location of source(s): | | | Well 01 – 525West Avenue G, Lancaster, CA 93535 | | | | |
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| Drinking Water Source Assessment information: | | | | Not Available | | | |
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| Time and place of regularly scheduled board meetings for public participation: | | | | | This system serves water to a business.  There are no meetings, but any notifications needed are posted for the employees and visitors who might be on premises. | | |
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| For more information, contact: | Mario Larrabure | | | | | Phone: | 818-497-1291 |

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| **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 (U.S. EPA).  **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**: Permissions from the State Water Resources Control Board (State Board) to exceed an MCL or not comply with a treatment technique under certain conditions.  **Level 1 Assessment**: A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.  **Level 2 Assessment**: A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.  **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) |

**HEALTH EFFECTS LANGUAGE FOR TEST RESULTS. Although no** result exceeded the MCL, we have

**listed Health Effects Language for all levels that showed any results for the constituents listed.**

**TABLE 4 – DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD These are based on health effects.**

**FLUORIDE - Some people who drink water containing fluoride in excess of the Federal MCL (4 ppm) over many years may get bone disease, including pain and tenderness of the bones. Children who drink water containing Fluoride in excess of the State MCL (2 ppm) may get mottled teeth.**

**BARIUM – Some people who drink water containing barium in excess of the MCL over many years may experience an increase in blood pressure.**

**COPPER – Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time may experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years may suffer liver or kidney damage. People with Wilson’s Disease should consult their personal doctor. The level detected was 0.0026 and Action**

**Level is 1.3; the detected level was not cause for concern.**

**URANIUM – Some people who drink water containing uranium in excess of the MCL over many years may have kidney problems or an increased risk of getting cancer. The detected level was 1.3 and the MCL is 20; you can see**

**that the level at TN TRUSS is well below the MCL.**

**TABLE 5 – DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARDS Secondary standards are set on the basis of aesthetics.**

**CHLORIDE – Chloride is not considered the cause of any health effect. The level detected is 2.4 and the MCL is 500.**

**SULFATE – There are no known health effects in the levels detected. Persons who drink water with a higher level than the MCL may experience diarrhea. The level detected is 16, and the MCL is 500.**

**SPECIFIC CONDUCTANCE – There is no health effect for this constituent. The level detected is 310; the MCL is 1,600.**

**TOTAL DISSOLVED SOLIDS (TDS) – There are no known health effects for this constituent. All well (ground) water is considered “hard” and Total Dissolved Solids and Specific Conductance are closely related and are found in well (ground) water. Well water has calcium, sodium, magnesium, bicarbonate, chlorides, sulfates and some organic matter that are dissolved in the water. The level detected in our water is 180 and the MCL is 1,000.**

**TURBIDITY – Turbidity has no health effect. Turbidity is a measure of the cloudiness of the water. However, high levels of turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. The units of turbidity detected in our water is at a low level. Our water is tested each month to verify there is no bacteria existing in the water delivered in our distribution system.**

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**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 byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
* *Radioactive contaminants*, that can be naturally-occurring or be the result of oil and gas production and mining activities.

**In order to ensure that tap water is safe to drink**, the U.S. EPA and the State 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, 5, and 6 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent**. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old. Any violation of an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

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| Table 1 – SAMPLING RESULTS SHOWING the detection of coliform bacteria | | | | | | | | | | | | |
| **Microbiological Contaminants** (complete if bacteria detected) | | **Highest No. of Detections** | | **No. of Months in Violation** | | MCL | | | | | **MCLG** | **Typical Source of Bacteria** |
| Total Coliform Bacteria (state Total Coliform Rule) | | (In a month)  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 | | | | |  | 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 (complete if lead or copper detected in the last sample set) | **Sample Date** | | **No. of Samples Collected** | | **90th Percentile Level Detected** | | **No. Sites Exceeding AL** | **AL** | **PHG** | **No. of Schools Requesting Lead Sampling** | | **Typical Source of Contaminant** |
| Lead (ppb) | 9/16/21 | | 5 | | N/D | | None | 15 | 0.2 | Not applicable | | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits |
| Copper (ppm) | 9/16/21 | | 5 | | N/D | | None | 1.3 | 0.3 | Not applicable | | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives |

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| 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) | 5/22/20 | | 63 | N/A | None | None | Salt present in the water and is generally naturally occurring |
| Hardness (ppm) | 5/22/20 | | 23 | N/A | 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** |
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| Fluoride (ppm) | | 5/22/20 | 1.1 | N/A | 2.0 | 0.10 | Runoff/Leaching from fertilizer use; from septic, and sewage. Erosion of natural deposits. |
| Barium (ppm)  --------------------------------  Copper (ppm)  -----------------------------------  Uranium pCi/L0 | | 5/22/20  --------------  5/22/20  -------------  5/22/20  11/29/21 | 0.012  0.0026  1.2 | N/A  N/A  1.1 -1.3 | 1.0  1.3  20 | N/L  0.3  0.43 | Discharges of oil drilling wastes and from metal refineries, erosion of natural deposits.  Internal corrosion of household plumbing systems; erosion of natural deposits. Leaching from wood preservatives.  --------------------------------------------  Erosion of natural deposits. |
| **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 |
| Chloride (ppm) | | 5/22/20 | 2.4 | N/A | 500 | 1.0 | Runoff/Leaching from natural deposits; industrial wastes. |
| Sulfate (ppm)  -----------------------------------  Specific Conductance  ECuS/cm  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Total Dissolved Solids  (TDS) (ppm)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Turbidity (ntu) | | 5/22/10  5/22/20  \_\_\_\_\_\_\_\_\_  5/22/20  \_\_\_\_\_\_\_\_\_  5/22/20 | 16  310  \_\_\_\_\_\_\_\_\_\_\_\_  180  0.18 | N/A  -------------------  N/A  \_\_\_\_\_\_\_\_\_\_\_\_\_\_  N/A  \_\_\_\_\_\_\_\_\_\_\_\_\_\_  N/A | 500  1600  \_\_\_\_\_\_\_\_  1000  \_\_\_\_\_\_\_\_  5 | 0.50  2.0  5.0  \_\_\_\_\_\_\_\_\_\_  1.0 | Runoff/Leaching from natural deposits.  --------------------------------------------  Substances that form ions when in water, industrial wastes.  Runoff/Leaching from natural deposits.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Soil Runoff\_\_\_\_\_\_\_ |
| **TAble 6 – detection of UNREGULATED contaminants** | | | | | | | |
| **Chemical or Constituent** (and reporting units) | | **Sample Date** | **Level Detected** | **Range of Detections** | **Notification Level** | | **Health Effects Language** |
| None | |  |  |  |  | |  |

**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 (1-800-426-4791).

Lead-Specific Language: 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.TN TRUSS 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. [***OPTIONAL:*** If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.] If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at <http://www.epa.gov/lead>.

There was no levels of Lead in the water samples taken at TN TRUSS, at either the Well or in the Lead and Copper tests that were sampled in the distribution system.

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

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| **VIOLATION OF A MCL, MRDL, AL, TT, OR MONITORING AND REPORTING REQUIREMENT** | | | | |
| **Violation** | **Explanation** | **Duration** | **Actions Taken to Correct the Violation** | **Health Effects Language** |
| **Missed Coliform test for Sept. 2021.** | **Oversight** | **One month** | **Completed next month’s test.** | **The test taken the next month was negative. Health effect during that time is unknown.** |

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| Next Month Test was negative, notifications were posted as required. |
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**For Water Systems Providing Groundwater as a Source of Drinking Water**

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| **TAble 7 – SAMPLING RESULTS SHOWING feCal indicator-positive groundwater source samples** | | | | | |
| **Microbiological Contaminants**  (complete if fecal-indicator detected) | **Total No. of Detections** | **Sample Dates** | **MCL [MRDL]** | **PHG (MCLG) [MRDLG]** | **Typical Source of Contaminant** |
| *E. coli* | (In the year)  0 | None | 0 | (0) | Human and animal fecal waste |
| Enterococci | (In the year)  0 | None | TT | N/A | Human and animal fecal waste |
| Coliphage | (In the year)  0 | None | TT | N/A | Human and animal fecal waste |

**Summary Information for Fecal Indicator-Positive Groundwater Source Samples,  
Uncorrected Significant Deficiencies, or Groundwater TT**

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| **SPECIAL NOTICE OF FECAL INDICATOR-POSITIVE GROUNDWATER SOURCE SAMPLE** | | | | |
| NONE | | | | |
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| **SPECIAL NOTICE FOR UNCORRECTED SIGNIFICANT DEFICIENCIES** | | | | |
| None | | | | |
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| **VIOLATION OF GROUNDWATER TT** | | | | |
| **TT Violation** | **Explanation** | **Duration** | **Actions Taken to Correct the Violation** | **Health Effects Language** |
| **NONE** |  |  |  |  |

**For Systems Providing Surface Water as a Source of Drinking Water**

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| **Table 8 - sampling results showing TREATMENT OF SURFACE WATER SOURCES** | |
| Treatment Technique (a)  (Type of approved filtration technology used) |  |
| Turbidity Performance Standards (b)  (that must be met through the water treatment process) | Turbidity of the filtered water must:  1 – Be less than or equal to \_\_\_\_\_ NTU in 95% of measurements in a month.  2 – Not exceed \_\_\_\_\_ NTU for more than eight consecutive hours.  3 – Not exceed \_\_\_\_ NTU at any time. |
| Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1. |  |
| Highest single turbidity measurement during the year |  |
| Number of violations of any surface water treatment requirements |  |

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

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

**Summary Information for Violation of a Surface Water TT**

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| **VIOLATION OF A SURFACE WATER TT** | | | | |
| **TT Violation** | **Explanation** | **Duration** | **Actions Taken to Correct the Violation** | **Health Effects Language** |
| **NONE** |  |  |  |  |

**Summary Information for Operating Under a Variance or Exemption**

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| The system has not been operating under a Variance or Exemption. |
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**Summary Information for Federal Revised Total Coliform Rule**

**Level 1 and Level 2 Assessment Requirements**

**Level 1 or Level 2 Assessment Requirement not Due to an *E. coli* MCL Violation**

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

During the past year we were required to conduct No Level 1 assessment(s). No Level 1 assessment(s) were completed. In addition, we were required to take No corrective actions.

During the past year we were required to conduct NO Level 2 assessments for our water system. No Level 2 assessments were completed. In addition, we were required to take No corrective actions.

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| During 2021, a routine Coliform Test was missed in September of 2021. The test was taken the following month, and the results was negative. The Violation Notice was completed and posted in proper places for the required duration. |
| However, no Level 1 or 2 assessment was required because it was human error and not a positive test result due to sanitary issues. |
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**Level 2 Assessment Requirement Due to an *E. coli* MCL Violation**

*E. coli* are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children, the elderly, and people with severely-compromised immune systems. We found No *E. coli* bacteria, indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) identify problems and to correct any problems that were found during these assessments.

We were required to complete No Level 2 assessment because we found no *E. coli* in our water system. In addition, we were required to take No corrective actions.

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| No E. coli MCL Violation test result occurred. No Level 2 Assessment was required. |
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**This Consumer Confidence Report (CCR) reflects changes in drinking water regulatory requirements during 2021. These revisions add the requirements of the Federal Revised Total Coliform Rule, effective since April 1, 2016, to the existing State Total Coniform Rule. The revised rule maintains the purpose to protect public health by ensuring the integrity of the drinking total coliform and E. coli bacteria). The U. S. EPA anticipates greater public health protection as the rule requires water systems that are vulnerable to microbial contamination to identify and fix problems. Water systems that exceed a specified frequency of total coliform occurrences are required to conduct an assessment to determine if any sanitary defects exist. If found, these must be corrected by the water system. The State Revised Total Coliform Rule became effective July 1, 2021. \*\*\*Also see page 1 of this report listed under “Terms Used in This Report”, specifically referring to Level 1 and Level 2 Assessments**.