Definitions of some terms contained within this report.

**Action Level (AL)** – The concentration of a contaminant which, if exceeded, IDSE Initial Distribution System Evaluation

**Maximum Contaminant Level Goal (MCLG)**: The level of a contaminant in drinking water, including bottled water, that public health experts believe is safe. MCLGs also allow for a margin of safety.

**Maximum Contaminant Level (MCL)**: The highest level of contaminant that is allowed in drinking water. MCLs are set by the USEPA as part of the Stage 1 and Stage 2 enforceable standards. MCLs are enforceable limits and public water systems must comply with them.

**Parts per Million (ppm) or Milligrams per Liter (mg/L)** are units of measure for concentration of a contaminant. A part per million corresponds to one part in one billion, or one billionth of a substance, in one liter of solution.

**Parts per Billion (ppb) or Micrograms per Liter (ug/L)** are units of measure for concentration of a contaminant. A part per billion corresponds to one part in one trillion, or one trillionth of a substance, in one liter of solution.

The Tussing Road Water Treatment System receives its drinking water from two distinct underground aquifers located within the County-owned Violet Township wellfield adjacent to the treatment facility. The groundwater supply is delivered to the treatment facility by nine wells located throughout the wellfield.

The Tussing Road Water Treatment System also has emergency connections with the City of Columbus, City of Pickerington, and Southwest Licking County Water and Sewer District. This report does not contain information on the water quality of these other systems. A copy of their consumer confidence report can be obtained by contacting them.

The shallow aquifer that supplies drinking water to Fairfield County’s Violet wellfield has a moderate susceptibility to contamination, due to the moderately sensitive nature of the aquifer in which the drinking water wells are located and the existing potential contaminant sources identified. This does not mean that the shallow aquifer will become contaminated, only that conditions are such that the groundwater could be impacted by potential contaminant sources. The deep aquifer that supplies drinking water to Fairfield County’s Violet wellfield has a low susceptibility to contamination, due to the low sensitivity of the aquifer in which the drinking water wells are located and the existing potential contaminant sources identified. This does not mean that the deep aquifer cannot be contaminated, only that the likelihood of contamination is relatively low.

Future contamination of the shallow and deep aquifers can be avoided by implementing protective measures.

Fairfield County has implemented, and will continue to implement, protective measures to prevent contamination of the drinking water sources. More information is available by contacting Roger A. Donnell, Chief Water Operator, at (614) 322-6200 or Ohio EPA at (614) 644-2752.

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: (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife; (B) Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, and oil and gas production, mining, or farming; (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses; (D) Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems; (E) Radioactive contaminants, which 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, USEPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency’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 infection. These people should seek advice about drinking water from their health care providers. EPA/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).
The EPA requires regular sampling to ensure drinking water safety. The Tussing Road Water Treatment System conducts sampling for bacteria; haloacetic acids; total trihalomethanes; nitrate; and fluoride during 2011. Of the contaminant samples conducted, most were not detected in the Tussing Road Water Treatment System water supply. The Ohio EPA requires us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though accurate, are more than one year old.

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 Tussing Road Water Treatment System is responsible for providing continuous disinfection of your drinking water. Disinfection byproducts are grouped into two categories, Total Trihalomethanes (TTHM) and Haloacetic Acids (HAA5). USEPA sets standards for controlling the levels of disinfectants and disinfection byproducts in drinking water, including both TTHMs and HAAs.

REGULATED HEALTH RELATED STANDARDS: This table provides health related information about the quality of the water supplied to the water system in 2010 by the Utilities Department. This information is intended to assist our customers in making informed decisions regarding the consumption, protection and use of water. For more information on copper in drinking water, please contact the Water Division.

**Mandatory Water Quality Standards**

The Ohio EPA requires us to monitor for Lead, Arsenic, Cadmium and Barium. Under the Stage 2 Disinfectants/Disinfection Byproducts Rule (D/DPBR), our public water Treatment System as required by the EPA.

Listed are the results from the sampling conducted in 2011 on the Tussing Road Water Treatment System. This information is intended to assist our customers in making informed decisions regarding the consumption, protection and use of water. For more information on copper in drinking water, please contact the Water Division.

Contact Information
Fairfield County Utilities
Billing & Administration
210 E. Main Street, Room 302
Lancaster, Ohio 43130
740-652-7120
614-322-5201
www.co.fairfield.oh.us/ut一定

Tony Vogel, P.E.
Director of Utilities
dvogel@co.fairfield.oh.us

Donald R. Sherman, P.E.
Deputy Director of Utilities
dsherman@co.fairfield.oh.us

Pam Shaloo
Office Manager
pshaloo@co.fairfield.oh.us

Field Operations
11050 Tussing Road
Pickerington, OH 43147
614-322-5200

Roger A Donnell
Chief Water Operator
rdonnell@co.fairfield.oh.us

For more information on the Tussing Road Water Treatment System drinking water contact Roger A. Donnell at (614) 322-5200.

Certified Drinking Water Operators
Rod Donnell, Class III
Rick Krueger, Class II
Berry McCain, Class III
Chad Sims, Class II
Brandon Fox, Class III
Josh Anders Class II
Ted Schmelzer, Class III

For more information on copper in drinking water, please contact the Water Division.

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