Community Participation

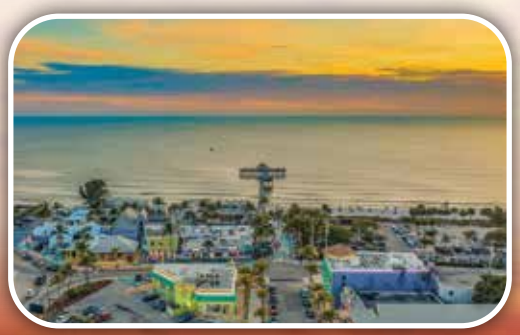
Beach Water encourages our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. Town Council meetings are normally held on the first and third Mondays of the month at 2525 Estero Blvd. Check the Town's website for times at www.fmbgov.com.

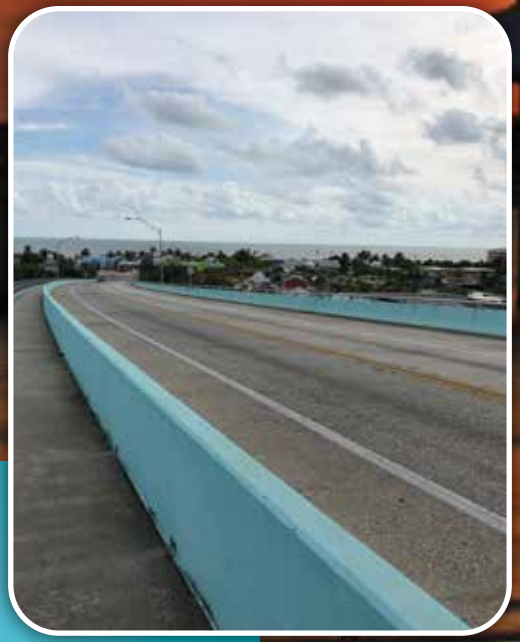
For more information regarding this report or to request a hard copy, please contact Beach Water at (239) 463–9914.

Once again we are proud to present our annual drinking water report, covering all drinking water testing performed between January 1 and December 31, 2021. We continually strive to adopt new methods for delivering the best quality drinking water to your homes and businesses. As new challenges to drinking water safety emerge, we remain vigilant in meeting the goals of source water protection, water conservation, and community education while continuing to serve the needs of all of our water users. Please remember that we are always available to assist you, should you ever have any questions or concerns about your water.

En Español

Si usted tiene alguna pregunta sobre este informe favor del llamar a Beach Water al (239) 463–9914.





FMBeach
FORT MYERS BEACH ✪ ESTERO ISLAND

PWS ID#: 5364145

2021 Annual Drinking Water Quality Report

2021 Test Results (Non-Secondary Contaminants Table)

PWS ID#: 5364145

Beach Utilities routinely monitors for constituents in your drinking water according to Federal and State laws. The enclosed tables show the results of our monitoring for the period January 1st to December 31st, 2021 and include test results in earlier years for contaminants sampled less often than annually. For contaminants not required to be tested for in 2021, test results are for the most recent testing done in accordance with the regulations.

RADIOACTIVE CONTAMINANTS				Town of Fort Myers Beach			Corkscrew			Green Meadows			
Contaminant and Unit of Measurement	MCL Violation Y/N	MCLG	MCL	Sampling Date (mo/yr)	Level Detected	Range of Results	Sampling Date (mo/yr)	Level Detected	Range of Results	Sampling Date (mo/yr)	Level Detected	Range of Results	Likely Source of Contamination
Alpha Emitters (pCi/L)	*N*	*0*	*15*	*N/A*	*N/A*	*N/A*	*10/20*	*1.6*	*N/A*	*10/20*	*1*	*N/A*	*Erosion of natural deposits*
Radium 226 + 228 or combined radium (pCi/L)	*N*	*0*	*5*	*N/A*	*N/A*	*N/A*	*10/20*	*1.3*	*N/A*	*10/20*	*1.9*	*N/A*	*Erosion of natural deposits*

INORGANIC CONTAMINANTS				Town of Fort Myers Beach			Corkscrew			Green Meadows			
Contaminant and unit of measurement	MCL Violation Y/N	MCLG	MCL	Sampling Date (mo/yr)	Level Detected	Range of Results	Sampling Date (mo/yr)	Level Detected	Range of Results	Sampling Date (mo/yr)	Level Detected	Range of Results	Likely Source of Contamination
Barium (ppm)	*N*	*2*	*2*	*N/A*	*N/A*	*N/A*	*10/20*	*0.00446*	*N/A*	*10/20*	*0.00328*	*N/A*	*Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.*
Cyanide (ppb)	*N*	*200*	*200*	*N/A*	*N/A*	*N/A*	*10/20*	*4.4*	*N/A*	*10/20*	*3.3*	*N/A*	*Discharge from steel/metal factories; discharge from plastic and fertilizer factories*
Fluoride (pppm)	*N*	*4*	*4*	*N/A*	*N/A*	*N/A*	*1/21 – 2/21*	*0.81*	*0.15–0.81*	*1/21 – 12/21*	*0.72*	*0.47 – 0.72*	*Erosion of natural deposits; discharge from fertilizer and aluminum factories. Water additive which promotes strong teeth when at optimum level of 0.7 ppm.*
Nitrate (as N) (ppm)	*N*	*10*	*10*	*N/A*	*N/A*	*N/A*	*10/21*	*0.017*	*N/A*	*N/A*	*N/A*	*N/A*	*Runoff from fertilizer use, leaching from septic tanks, sewage; erosion of natural deposits.*
Nitrite (as N) (ppm)	*N*	*1*	*1*	*N/A*	*N/A*	*N/A*	*10/21*	*0.011*	*N/A*	*4/21*	*0.006*	*N/A*	*Runoff from fertilizer use, leaching from septic tanks, sewage; erosion of natural deposits.*
Sodium (ppm)	*N*	*N/A*	*160*	*N/A*	*N/A*	*N/A*	*10/20*	*40.2*	*N/A*	*10/20*	*56.3*	*N/A*	*Salt water intrusion, leaching from soil.*

MICROBIOLOGICAL CONTAMINANTS				Lee County Utilities		
Contaminant and unit of measurement	MCL Violation Y/N	MCLG	MCL	Sampling Date (mo/yr)	Total Number of Positive Samples for the Year	Likely Source of Contamination
E. Coli	*Y*	*0*	*Routine and repeat sample are total coliform positive and either is E. coli or 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*	*01/21 – 12/21*	*1*	*Human and animal fecal waste*

STAGE 1 DISINFECTANTS & DISINFECTION BY-PRODUCTS				Town of Fort Myers Beach			Lee County Utilities			
Contaminant and unit of measurement	MRDL Violation Y/N	MRDLG	MRDL	Sampling Date (mo/yr)	Level Detected	Range of Results	Sampling Date (mo/yr)	Level Detected	Range of Results	Likely Source of Contamination
*Chlorine & Chloramines (ppm) **	*N*	*4.0*	*4.0*	*1/21 – 12/21*	*3.1*	*1.1 – 4.2*	*1/21 – 12/21*	*3.4*	*0.3 – 4.5*	*Water additive used to control microbes.*

Lee County Utilities performed a free chlorine flush from May 3rd to May 24th. The results shown include both chloramine and chlorine results.

STAGE 2 DISINFECTANTS & DISINFECTION BY-PRODUCTS				Town of Fort Myers Beach			Lee County Utilities			
Contaminant and unit of measurement	MCL Violation Y/N	MCLG	MCL	Sampling Date (mo/yr)	Level Detected	Range of Results	Sampling Date (mo/yr)	Level Detected	Range of Results	Likely Source of Contamination
Haloacetic Acids (HAA5) (ppb)	*N*	*N/A*	*60*	*2/21, 4/21, 7/21, 11/21*	*20.75*	*8.8 – 30*	*1/21, 4/21, 7/21, 10/21*	*19.45*	*ND – 52.45*	*By–product of drinking water disinfection*
Total Trihalomethanes (TTHM) (ppb)	*N*	*N/A*	*80*	*2/21, 4/21, 7/21, 11/21*	*28.25*	*11 – 40*	*1/21, 4/21, 7/21, 10/21*	*22.75*	*ND – 23.88*	*By–product of drinking water disinfection*

LEAD and COPPER (Tap Water)				Town of Fort Myers Beach			Lee County Utilities			
Contaminant and unit of measurement	AL Exceeded Y/N	MCLG	AL (Action Level)	Sampling Date (mo/yr)	90th Percentile Result	Sites Exceeding the AL	Sampling Date (mo/yr)	90th Percentile Result	Sites Exceeding the AL	Likely Source of Contamination
Copper [tap water] (ppm)	*N*	*1.3*	*1.3*	*7/21*	*0.049*	*0*	*8/21*	*0.044*	*0*	*Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.*
Lead [tap water] (ppb)	*N*	*0*	*15*	*7/21*	*1.3*	*0*	*8/21*	*1.4*	*0*	*Corrosion of household plumbing systems; erosion of natural deposits.*

Note: For chloramines, the level detected is the highest running annual average (RAA), computed quarterly, of monthly averages of all samples collected. For haloacetic acids and TTHM, the level detected is the highest LRAA, computed quarterly, of quarterly averages of all samples collected if the system is monitoring quarterly.

Range of results is the range of individual sample results for all monitoring locations.

Note: Results in the Level Detected column for radiological contaminants and inorganic contaminants are the highest detected level at any sampling point.

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that another potentially harmful waterborne pathogen 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 Lee County Utilities were required to conduct one Level 1 assessment. One Level 1 assessment was completed. In addition, they were required to take zero corrective actions and they completed zero of these actions.

During the past year Lee County Utilities were required to conduct two Level 2 assessments. Two Level 2 assessments were completed. In addition, they were required to take zero corrective actions and they completed zero of these actions.

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. Lee County Utilities found E. coli bacteria, indicating the need to look for potential problems in water treatment or distribution. When this occurs, Lee County Utilities are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

Lee County Utilities had an E. coli positive repeat sample following a total coliform positive routine sample. LCU were required to complete a Level 2 assessment because Lee County Utilities found E. coli in their water system. In addition, they were required to take zero corrective actions and completed zero of these actions.

Definitions:

In the tables below, you may find many terms and abbreviations you are not familiar with. To help you better understand these terms we've provided the following definitions:

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.

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 Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is not known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as a close to the MCLGs as feasible using the best available treatment technology.

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

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

pCi/L: Picocuries Per Liter – a measure of radioactivity in water.

ppm: Parts Per Million, or Milligrams Per Liter (mg/L) – one part by weight or analyte to 1 million parts by weight of the water sample.

ppb: Parts Per Billion, or Micrograms Per Liter (ug/L) – one part by weight of analyte to 1 billion parts by weight of the water sample.

N/A: Not Applicable

ND: Not Detected – indicates that the substance was not found by laboratory analysis.

Locational Running Annual Average (LRAA): The average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters.

FMB
FORT MYERS BEACH • ESTERO ISLAND

Town of Fort Myers Beach
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