

ERIE COUNTY
Department of Environmental Services – WATER DIVISION

2020 Water-Quality Table

Erie County Water-Quality Table

Erie County – **PERKINS DISTRICT**

Source Water – City of Sandusky Water Plant (Lake Erie & Sandusky Bay)

Contaminants	Date Tested	Units	MCL	MCLG	Level Found	Range of Detection	Typical Source of Contaminants	Violation
Inorganic Contaminants								
¹ Lead	2018	ppb	15	0	0.076	N/A	Corrosion of household plumbing systems; Erosion of natural deposits.	NO
Volatile Organic Contaminants								
TTHM's (Total Trihalomethanes)	2020	ppb	80	0	41.7	24.8-41.7	By-product of drinking water chlorination	NO
HAA5 (Haloacetic Acid)	2020	ppb	60	0	28.0	21.9-28.0	By-product of drinking water chlorination	NO
Contaminant	Date	Units	MRDL	MRDLG	Level Found	Range	Typical Source of Contamination	Violation
Total Chlorine	2020	ppb	4	4	1.3	0.8-1.3	Water additive used to control microbes	NO

Erie County Perkins District Water Quality Table – Important Health Information

¹Lead – Zero out of 30 samples were over the action level of 15 ppb. 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 Erie County Water Division 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/safewater/lead>.

ERIE COUNTY
 Department of Environmental Services – WATER DIVISION
2020 Water-Quality Table

City of Sandusky Water-Quality Table – *City of Sandusky Big Island Water Treatment Plant*
 Source Water– Lake Erie & Sandusky Bay

Contaminants	Date Tested	Units	MCL	MCLG	Level Found	Range of Detection	Typical Source of Contaminants	Violation
Inorganic Contaminants								
¹ Nitrate	Monthly	ppm	10	10	1.0	0.0-1.4	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.	NO
² Fluoride	Daily	ppm	4	4	0.9	0.8-1.1	Erosion of natural deposits; Water additive which prevents dental cavities	NO
Barium	2020	ppm	2.0	2.0	0.017	0.017-0.017	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	NO
Contaminants	Date Tested	Units	MCL	MCLG	Level Found	*Low %	Typical Source of Contaminants	Violation
Microbiological Contaminants								
³ Turbidity	Continuous	NTU	0.30	<0.10	0.12	0.02-0.12	Soil Runoff	NO
Turbidity (%meeting standard)	2020	%	N/A	TT	100%	100%	Soil Runoff	NO

City of Sandusky Water Quality Table – Important Health Information

¹Nitrate: Infants below the age of 6 months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue baby syndrome.

²Fluoride: Some people who drink water containing fluoride in excess of the MCL over many years could get bone disease, including pain and tenderness of the bones. Fluoride in drinking water at half the MCL or more may cause mottling of children's teeth, usually in children less than nine years old. Mottling, also known as dental fluorosis, may include brown staining and/or pitting of the teeth, occurs only in developing teeth before they erupt from the gums.

³Turbidity: Turbidity is a measure of the cloudiness of water and is an indication of the effectiveness of the filtration system. The turbidity limit set by the EPA is 0.3 NTU in 95% of the daily samples and shall not exceed 5NTU at any time.

Source Water Assessment

Where does your water come from?

Erie County purchases and distributes treated water from the City of Sandusky. The City of Sandusky Public Water System uses surface water drawn from two intakes, a main intake located in Lake Erie and an emergency backup intake located in Sandusky Bay. For the purposes of source water assessments, in Ohio all surface waters are considered to be susceptible to contamination. By their nature, surface waters are accessible and can be readily contaminated by chemicals and pathogens, with relatively short travel times from source to intake.

Although the water system's main intake is located offshore in Lake Erie, the proximity of several onshore sources increases the susceptibility of the source water to contamination. The City of Sandusky Public Water System's drinking water source protection area is susceptible to contamination from municipal sewage treatment plants, industrial wastewater, combined sewer overflows, home sewage disposal system discharges, open water dredge disposal operations, and accidental releases and spills, especially from commercial shipping operations and recreational boating.

The City of Sandusky Public Water System treats the water to meet drinking water quality standards, but no single treatment technique can address all potential contaminants. The potential for water quality impacts can be further decreased by implementing measures to protect Lake Erie. More detailed information is provided in the City of Sandusky Public Water System's Drinking Water Source Assessment report, which can be obtained by calling (419) 627-5805 or by visiting the Ohio EPA'S Sources Water Assessment and Protection Program web page at:

<http://www.epa.state.oh.us/ddaqw/pdu/swap.html>.