

Definitions You Need To Know

Action Level - the concentration of a contaminant that, if exceeded, triggers treatment or other requirements a water system must follow.

Coliform Absent (ca) - Laboratory analysis indicates that the contaminant is not present.

Disinfection byproducts (DBPs) - are formed when disinfectants used in water treatment plants react with bromide and/or natural organic matter (i.e., decaying vegetation) present in the source water. Different disinfectants produce different types or amounts of disinfection byproducts. Disinfection byproducts for which regulations have been established include trihalomethanes (TTHM), haloacetic acids (HAA5), bromate, and chlorite.

Initial Distribution System Evaluation (IDSE) - a one-time study conducted by water systems to identify distribution system locations with high concentrations of trihalomethanes (THMs) and haloacetic acids (HAAs). Water systems will use results from the IDSE, in conjunction with their Stage 1 DBPR compliance monitoring data, to select compliance monitoring locations for the Stage 2 DBPR.

Locational Running Annual Average (LRAA) - yearly average of all the DPB results at each specific sampling site in the distribution system. The highest distribution site LRAA is reported in the Table of Detected Contaminants.

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

Maximum Contaminant Level Goal (MCLG) - The "Goal" is the level of contaminant in drinking water below which there is no known or expected risk of health. MCLGs allow for margin of safety.

Maximum Residual Disinfection Level (MRDL) - the highest level of a disinfectant allowed in drinking water.

Millirems per year (mrem/yr) - Million fibers per liter is a measure of presence of asbestos fibers that are longer than 10 micrometers.

Nephelometric Turbidity Unit (NTU) - Nephelometric turbidity unit is a measure of the clarity of the water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Non-Detects (ND) - Laboratory analysis indicates that the constituent is not present above detection limits of lab equipment.

Not Reported (NR) - laboratory analysis, usually Secondary Contaminants, not reported by water system. EPA recommends secondary standards to water systems but does not require systems to comply.

Parts per billion (ppb) or Micrograms per liter - One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Parts per million (ppm) or Milligrams per liter (mg/l) - One part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per quadrillion (ppq) or Picograms per liter - One part per quadrillion corresponds to one minute in 2,000,000,000 years, or a single penny in \$10,000,000,000,000.

Parts per trillion (ppt) or Nanograms per liter - One part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

Picocuries per liter (pCi/l) - Picocuries per liter is a measure of the radioactivity in water.

RAA - Running annual average

Standard Units (S.U.) - pH of water measures the water's balances of acids and bases and is affected by temperature and carbon dioxide gas. Water with less than 6.5 could be acidic, soft, and corrosive. A pH greater than 8.5 could indicate that the water is hard.

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

Variations & Exemptions (V&E) - State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

OUR DAILY WATER

Oxford Water Works & Sewer Board

2020 Annual Water Quality Report (Testing Performed January - December 2019)



OUR DAILY WATER

If you have any questions about this report or concerning your water utility, please contact our main office. We want our valued customers to be informed about their water utility.

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Water Board Meets 3rd Wednesday of each month at 12:00 p.m.

General Manager.....Wayne Livingston
Controller.....Patrick Prater
Engineer.....Meredith Holzer
Office Manager.....Amanda Moore

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TABLE OF DETECTED DRINKING WATER CONTAMINANTS

Contaminants	Violation (Yes/No)	Level Detected	Unit of Measurement	MCLG	MCL	Likely Source of Contamination
Chlorine	No	1.00—1.70	ppm	MRDL=4	MRDL=4	Water additive used to control microbes
Total Organic Carbon	No	0.91—1.30	Ppm	N/A	TT	Soil runoff
Turbidity	No	Highest 0.095 100% < 0.5	NTU	N/A	TT	Soil runoff
Alpha Emitters	No	2.5 +/- 0.9	PCI/l	0	15	Erosion of natural deposits
Copper (customer tap)	No	0.10* (0 > AL)	ppm	1.3	AL = 1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Nitrate (as Nitrogen)	No	0.29- 1.10	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Trichloroethylene	No	Avg 1.99 Range ND-6.56	ppb	0	5	Discharge from metal degreasing sites & other factories
TTHM (Total Trihalomethanes)	No	LRAA Range ND-0.65	ppb	0	80	By-product of drinking water chlorination
Unregulated Contaminants						
Chloroform	No	ND - 8.57	ppb	N/A	N/A	Naturally occurring in the environment or as a result of industrial discharge or agricultural runoff
Bromodichloromethane	No	ND - 4.65	ppb	N/A	N/A	Naturally occurring in the environment or as a result of industrial discharge or agricultural runoff
Chlorodibromomethane	No	ND - 1.92	ppb	N/A	N/A	Naturally occurring in the environment or as a result of industrial discharge or agricultural runoff
Secondary Contaminants						
Chloride	No	1.96 - 7.51	ppm	N/A	250	Naturally occurring in the environment or as a result of industrial discharge or agricultural runoff
Hardness	No	107 - 161	ppm	N/A	N/A	Naturally occurring in the environment or as a result of treatment with water additives
pH	No	7.70 - 8.22	S.U.	N/A	N/A	Naturally occurring in the environment or as a result of treatment with water additives
Sodium	No	0.93 - 4.09	ppm	N/A	N/A	Naturally occurring in the environment
Sulfate	No	1.67 - 4.12	ppm	N/A	250	Naturally occurring in the environment or as a result of industrial discharge or agricultural runoff
Total Dissolved Solids	No	68.0 - 129	ppm	N/A	500	Naturally occurring in the environment or as a result of industrial discharge or agricultural runoff

* Figure shown is 90th percentile and # of sites above action level (1.3 ppm) = 0

