

Table of Detected Contaminants

Bacteria Found in the Distribution System

Contaminant	Sample Source	Violation Yes / No	Date(s) of Sampling in 2012	Month with Highest % positive samples	Units Measured	MCLG	Regulatory Limit (MCL, TT, or AL)	Likely Source of Contamination
Total Coliform Bacteria*	OCWA Distribution System	No	approx 79 per week	August 0.56% (2 out of 357)	N/A	0	> 5 % Positive samples in any month	Naturally present in the environment

* Whenever a positive sample for Total Coliform is found, the sample is further tested for the presence of E.coli., plus 4 additional check samples are taken. No Samples were found to be E.Coli positive in 2012. OCWA regularly samples about 79 sites per week located throughout our distribution system. We test these sites for both bacteria and disinfectant residual to make sure that our water is of a safe and sanitary quality.

Disinfectant & Disinfection By-products Found in the Distribution System

Contaminant	Sample Source	Violation Yes / No	Date(s) of Sampling in 2012	Level found (Range)	Units Measured	MCLG	Regulatory Limit MCL, TT, AL or MRDL	Likely Source of Contamination
Chlorine Residual	OCWA Distribution System	No	approx 79 per week	0.52 (nd - 1.35)	mg/l	N/A (MRDLG)	4 (MRDL)	Added to water to kill harmful bacteria and to prevent the regrowth of bacteria.
Chlorite	Otisco	No	Monthly; May to Nov. '2012	0.22 (0.15 - 0.30)	mg/l	N/A	1	By-product of drinking water disinfection at plants using Chlorine Dioxide
Total Trihalo Methanes**	OCWA Distribution System	No	Feb Stage 1 Sampling	53.47 (31 - 83)	ug/l	N/A	80	By-product of drinking water chlorination. TTHM's form when source water contains large amounts of organic matter.
Total Trihalo Methanes**	OCWA Distribution System	No	May, Aug, Nov. Stage 2 Sampling	77.3 (27 - 93)	ug/l	N/A	80	
Haloacetic acids***	OCWA Distribution System	No	Feb Stage 1 Sampling	26.58 (25 - 43)	ug/l	N/A	60	By-product of drinking water chlorination.
Haloacetic acids***	OCWA Distribution System	No	May, Aug, Nov. Stage 2 Sampling	35.7 (4 - 39)	ug/l	N/A	60	

Disinfection by-products; During disinfection, certain by-products form as a result of chlorine reacting with naturally occurring organic matter. The disinfection process is carefully monitored so that disinfection is effective, while levels of disinfection by-products are kept low. Trihalomethanes (THM's) and Haloacetic acids (HAA's) are classes of chemicals that OCWA is required to monitor for in its distribution system.

Stage 1 and Stage 2 Disinfection by-product results; THM and HAA results are recorded twice in the above table because the EPA changed the Disinfection by-product Rule after the first Quarter of 2012. The level found for Stage 1 results is the running annual average for all sample sites over a period of 4 consecutive quarters. The level found for Stage 2 results is the running annual average of our highest recorded sampling site.

** See 'Terms & Abbreviations' for the listing of Trihalomethanes contaminants

*** See 'Terms & Abbreviations' for the list of Haloacetic acids contaminants