

Enclosure G
Unregulated Contaminants of Concern
City of Wichita Falls - PWS 2430001
August 5, 2014

Tables G-1 and G-2 contain are currently unregulated chemical and microbiological contaminants of concern that the TCEQ recommends the system monitor quarterly.

The City must provide the results of any sampling performed under the EPA's Unregulated Contaminant Monitoring Rule –3 (UCMR3) to the TCEQ within two weeks of receiving those results.

For monitoring of unregulated contaminants — Table G-1: Microbials and Table G-2: Chemicals—the system should identify the analytical methods that they wish to use, and propose those to the TCEQ. If you have any questions concerning this enclosure, please contact Dr. Alicia Diehl by e-mail at Alicia.Diehl@tceq.texas.gov or by telephone at (210) 403-4053.

Table G-1: Microbials

MICROBIALS	Analytical Methods¹	Regulated
Viruses²		
Rotavirus	1	No ²
Poliovirus	1	No ²
Echoviruses	1	No ²
Coxsackie viruses group A and B	1	No ²
Adenovirus	1	No ²
Hepatitis A	1	No ²
Protozoans		
Naegleria fowleri	4	No
Cyclospora	4	No
Microsporidia (fungus)	4	No
Bacteria		
Enterococci	1600, 1106	No
Salmonella (and / or Shigella, Campylobacter, Pseudomonas ⁵)	1200	No
Aeromonas	1605	No
Heterotrophic plate count (indicator)	9215	No

* Highly recommended for sampling

1 Method listed is an EPA method unless otherwise noted. List of methods is not exhaustive, but is included for reference only. If a method is not listed, the City will need to research and propose a method to TCEQ.

2 Viruses are regulated as a group through treatment technique requirements at treatment plants for the EPA's Surface Water Treatment Rules and Ground Water Rule

3 UCMR 3. Regulations cover distribution levels and removal requirements. Regulatory monitoring required, but no health-based standard set.

4 Methods are in development.

Table G-2: Chemicals

CHEMICALS	Method ¹	Regulated
Disinfection byproducts		
*Nitroso-dimethylamine (NDMA)	521	UCMR3 ³
*Nitroso-pyrrolidine (NPYR)		
Organic chemicals		
*Pharmaceutical indicators: 17- α -ethynylestradiol (ethinyl estradiol), 16- α -hydroxyestradiol (estriol), equilin, estrone, testosterone, 4-androstene-3,17-dione	539	UCMR3 ³
*Chemicals of human origin: Perfluorooctanesulfonic sulfonate (PFOS), perfluorooctanoic acid (PFOA) perfluorononanoic acid (PFNA) perfluorohexanesulfonic acid (PFHxS) perfluoroheptanoic acid (PFHpA) perfluorobutanesulfonic acid (PFBS)	537	UCMR3 ³
*Sucralose	2	No
1,4 dioxane	522	No
Caffeine	1694	No
N,N-Diethyl-meta-toluamide (DEET)	633	No
Gemfibrozil	1694	No
Iopromide	1694	No
Inorganic chemicals		
Perchlorate ⁴	314	UCMR2 ³

* Highly recommended for sampling.

1 Method listed is an EPA method unless otherwise noted. List of methods is not exhaustive, but is included for reference only.

2 Acceptable methods exist but have not yet been approved by the EPA. The City should propose the method they plan to use.

3 Regulatory monitoring required, but not a health-based standard set.

4 The EPA has indicated that a maximum contaminant level will be promulgated for perchlorate. EPA will be working with stakeholders to develop a maximum contaminant level.