

Point of Use & Point of Entry Systems as Treatment Methods for Contaminants of Concern



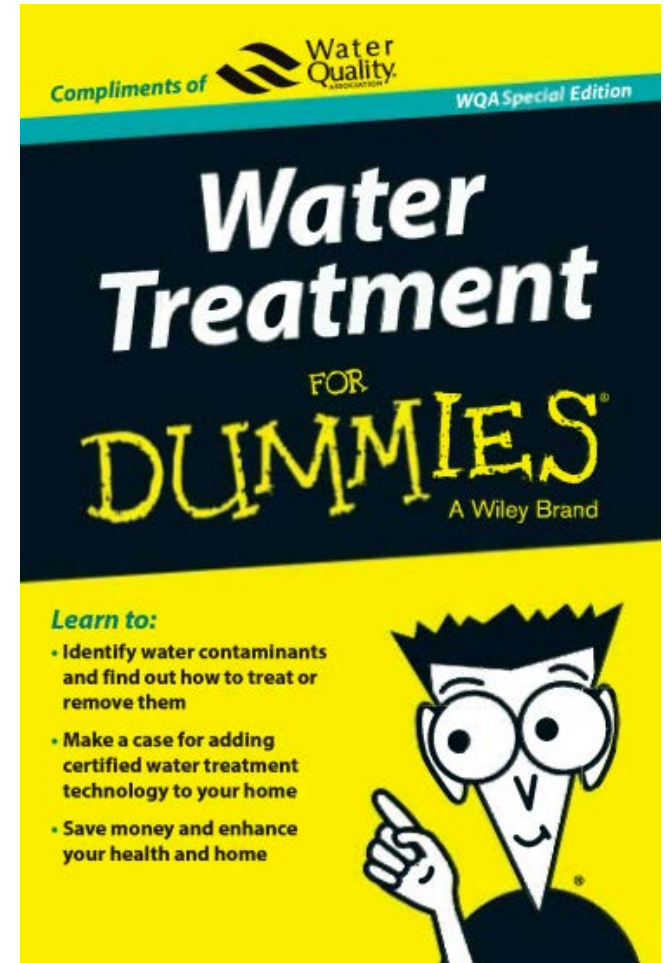
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An Advocate for the Betterment of Water Quality

- Product Certification
- Professional Certification
- Education
- Events
- Government Affairs
- Regulatory & Technical Affairs
- Water Quality Research Foundation



www.wqa.org



Standards with Reduction Claims

Health Effects

NSF/ANSI 42

Aesthetic Effects

NSF/ANSI 53

Reverse Osmosis
Drinking Water
Systems

NSF/ANSI 58

Ultraviolet
Microbiological Water
Treatment Systems

NSF/ANSI 55

Emerging
Contaminants

NSF/ANSI 401



Requirements of Certification

Testing

- Material Safety
- Structural Integrity
- Performance

Additional Requirements

- Literature
- Audit

System tested and certified by the WQA against **NSF/ANSI Standards 42, 53 and 401** for the reduction of the claims specified on the Performance Data Sheet.

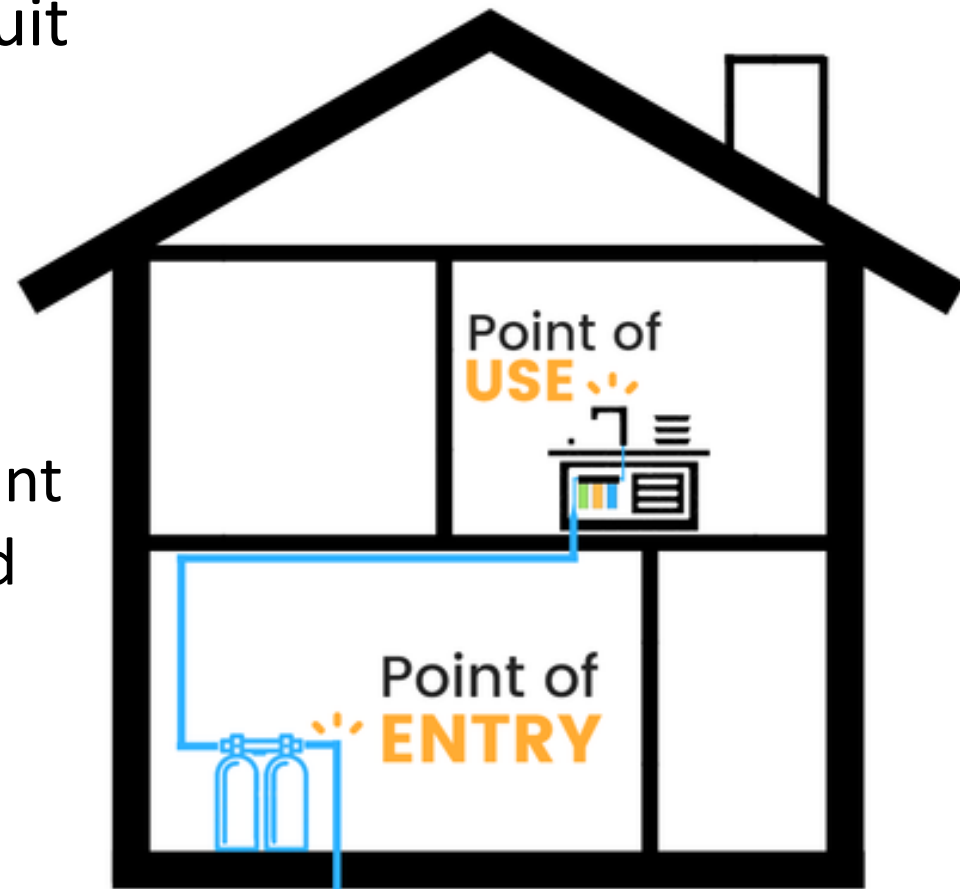


Point of Use or Point of Entry?

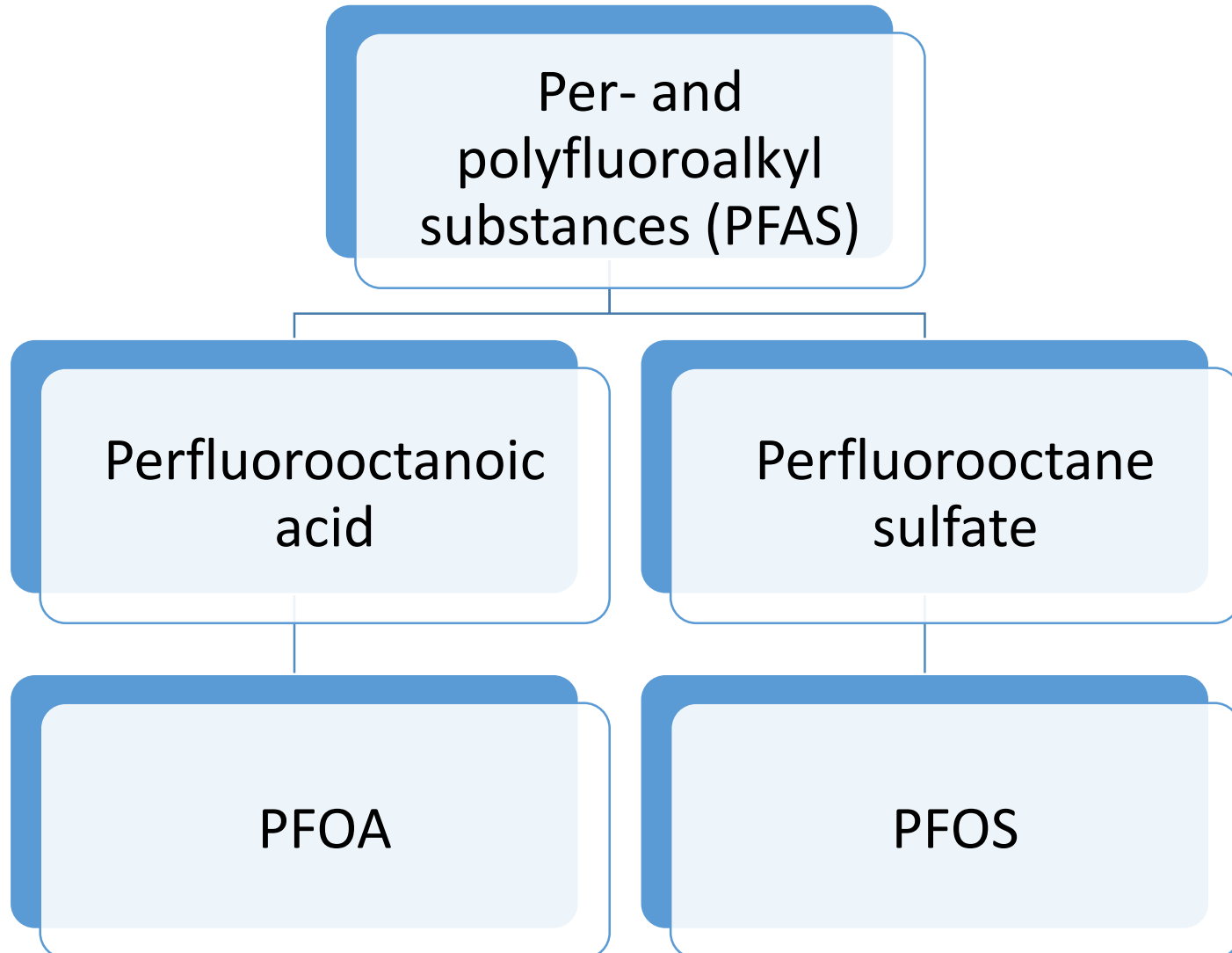


Know which option is best to suit you and your family needs

- Are you worried about children drinking bath water?
- Is the identified contaminant a concern via ingestion and inhalation?



Current Events



Contaminants of Emerging Concern

PFOA/PFOS

PFOA/PFOS reduction

- Influent Concentration at 1.5ug/L
- Max Effluent Concentration Sum of PFOA/PFOS - 0.070 ug/L

SUBSTANCE	Average Influent Level (mg/L)	Average Effluent Level (mg/L)	Maximum Effluent Concentration	Average Percent Reduction	Minimum Percent Reduction
PFOA / PFOS [†]	1.5	0.015	0.0178	99	99

Contaminants of Emerging Concern

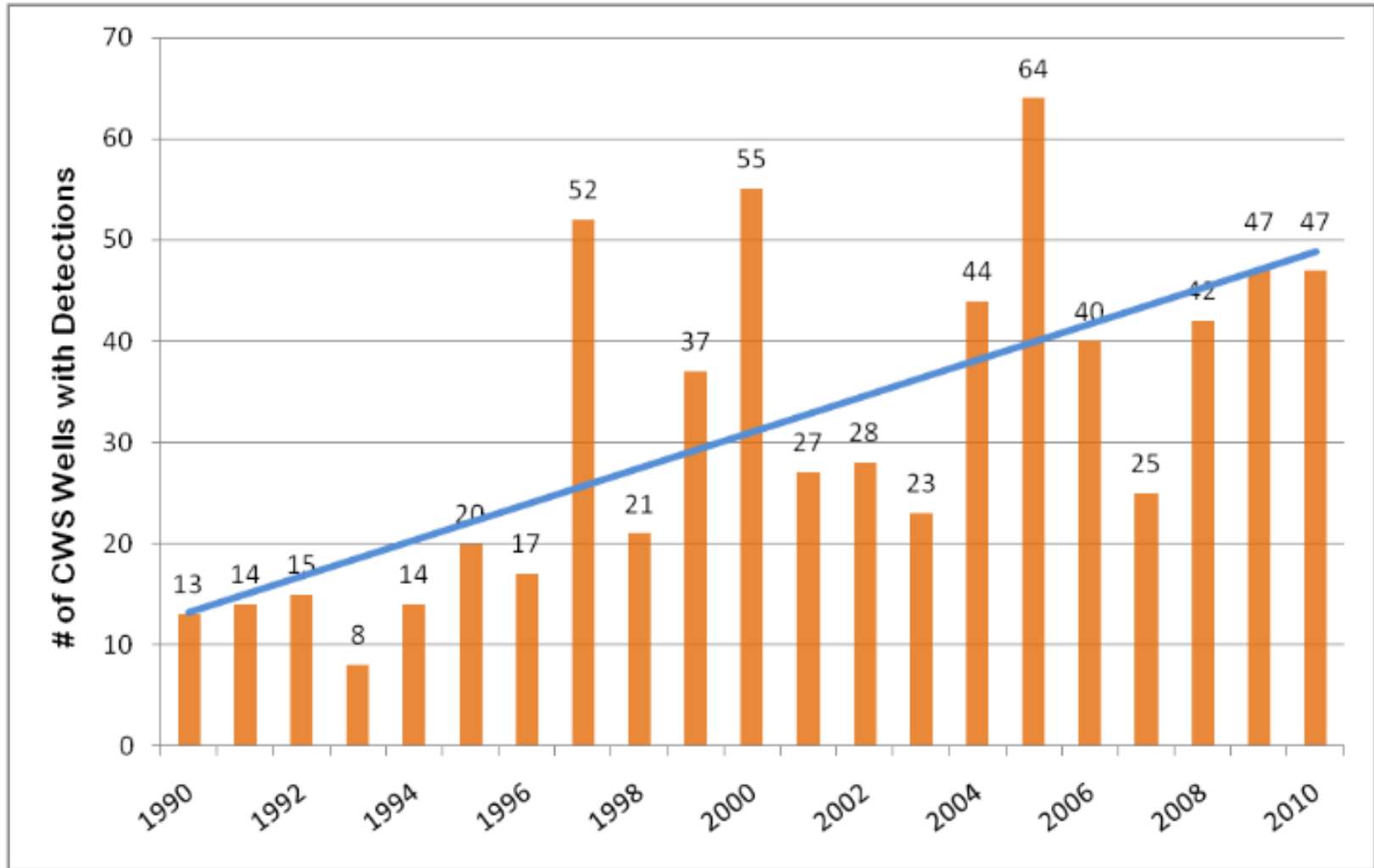
Manganese (Mn)

Guideline for Mn was published May 10, 2019

- Maximum Acceptable Concentration - 120ug/L
- Aesthetic Objective - 20ug/L



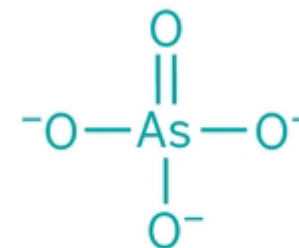
Volatile Organic Compounds (VOCs) Identified in McHenry County



Arsenic – Trivalent (III) vs. Pentavalent (V)

NSF/ANSI 58

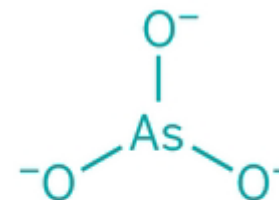
Pentavalent Arsenic Reduction Claims Only



**Arsenate
As(V)**

NSF/ANSI 53

Pentavalent & Trivalent Arsenic Reduction
Claims



**Arsenite
As(III)**



Find a Service



Certified Products




Treatment Providers



Certified Professionals



Recap

- 
- Water Quality Association
 - Standards with Reduction Claims
 - Requirements within the Standard
 - Product Category – Point of Use & Point Entry
 - Contaminants of Interest
 - PFOA/PFOS
 - Manganese
 - Volatile Organic Compounds
 - Arsenic

Questions?

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