

## 米国環境保護庁（EPA）の PFAS に関する飲料水規制について

EPA は、2024 年 4 月 10 日に最終化された PFAS に関する飲料水規制を公表した。

### 飲料水規制の概要

	最大汚染レベル目標値※1	最大汚染レベル (規制実施可能なレベル)
PFOA	0	4 ng/L
PFOS	0	4 ng/L
PFHxS	10ng/L	10ng/L
PFNA	10ng/L	10ng/L
GenX	10ng/L	10ng/L
混合物 (PFHxS, PFNA, GenX, PFBS)	1 ※2	1 ※2

※1 健康にリスクがないと知られているか、期待される値。ただし規制値ではない。

※2 実測値をそれぞれの指標値\*で除して得た割合の合計

\* PFNA : 10 ng/L、PFHxS : 10 ng/L、  
PFBS : 2,000 ng/L、GenX : 10 ng/L

(計算式)

$$\left(\frac{[\text{GenX}_{\text{water}}]}{10 \text{ ppt}}\right) + \left(\frac{[\text{PFBS}_{\text{water}}]}{2000 \text{ ppt}}\right) + \left(\frac{[\text{PFNA}_{\text{water}}]}{10 \text{ ppt}}\right) + \left(\frac{[\text{PFHxS}_{\text{water}}]}{10 \text{ ppt}}\right)$$

- 公共用水施設は今後3年以内に飲料水中の上記 PFAS 値のモニタリングを開始し、2027 年より測定値に関する情報を公開することが求められる。
- また、モニタリングにより基準超過が認められた場合は5年以内（2029 年まで）に削減措置を講じることが求められる。
- 5年後（2029 年）からは、基準を超過した場合は、削減措置を講じるとともに、基準超過について住民に通知しなければならない。

(参考) これまでの経緯

- ・2023 年 3 月、EPA は、飲料水に含まれる PFAS に関する規制値案を発表
- ・規制値案に関するパブリックコメントや公聴会等を実施。パブリックコメントでは 120,000 件の意見が寄せられた。

# Per- and Polyfluoroalkyl Substances (PFAS)

## Final PFAS National Primary Drinking Water Regulation

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### Summary

On April 10, 2024, EPA announced the final National Primary Drinking Water Regulation (NPDWR) for six PFAS. To inform the final rule, EPA evaluated over 120,000 comments submitted by the public on the rule proposal, as well as considered input received during multiple consultations and stakeholder engagement activities held both prior to and following the proposed rule. EPA expects that over many years the final rule will prevent PFAS exposure in drinking water for approximately 100 million people, prevent thousands of deaths, and reduce tens of thousands of serious PFAS-attributable illnesses.

EPA is also making unprecedented funding available to help ensure that all people have clean and safe water. In addition to today's final rule, [\\$1 billion in newly available through the Bipartisan Infrastructure Law](#) to help states and territories implement PFAS testing and treatment at public water systems and to help owners of private wells address PFAS contamination.

EPA finalized a National Primary Drinking Water Regulation (NPDWR) establishing legally enforceable levels, called Maximum Contaminant Levels (MCLs), for six PFAS in drinking water. PFOA, PFOS, PFHxS, PFNA, and HFPO-DA as contaminants with individual MCLs, and PFAS mixtures containing at least two or more of PFHxS, PFNA, HFPO-DA, and PFBS using a Hazard Index MCL to account for the combined and co-occurring levels of these PFAS in drinking water. EPA also finalized health-based, non-enforceable Maximum Contaminant Level Goals (MCLGs) for these PFAS.

Compound	Final MCLG	Final MCL (enforceable levels)
PFOA	Zero	4.0 parts per trillion (ppt) (also expressed as ng/L)
PFOS	Zero	4.0 ppt
PFHxS	10 ppt	10 ppt
PFNA	10 ppt	10 ppt
HFPO-DA (commonly known as GenX Chemicals)	10 ppt	10 ppt
Mixtures containing two or more of PFHxS, PFNA, HFPO-DA, and PFBS	1 (unitless) Hazard Index	1 (unitless) Hazard Index

#### The final rule requires:

- Public water systems must monitor for these PFAS and have three years to complete initial monitoring (by 2027), followed by ongoing compliance monitoring. Water systems must also provide the public with information on the levels of these PFAS in their drinking water beginning in 2027.
- Public water systems have five years (by 2029) to implement solutions that reduce these PFAS if monitoring shows that drinking water levels exceed these MCLs.
- Beginning in five years (2029), public water systems that have PFAS in drinking water which violates one or more of these MCLs must take action to reduce levels of these PFAS in their drinking water and must provide notification to the public of the violation.

<URL> <https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas>

## PFOS 及び PFOA の EPA 評価書の最終化

- PFAS に関する飲料水規制の最終化に伴い、PFOS 及び PFOA に関する評価書（Draft）を最終化し、公表した。

### <Draft からの主な変更点>

- PFOS の免疫の評価について、風疹抗体価に関する知見が追加された。

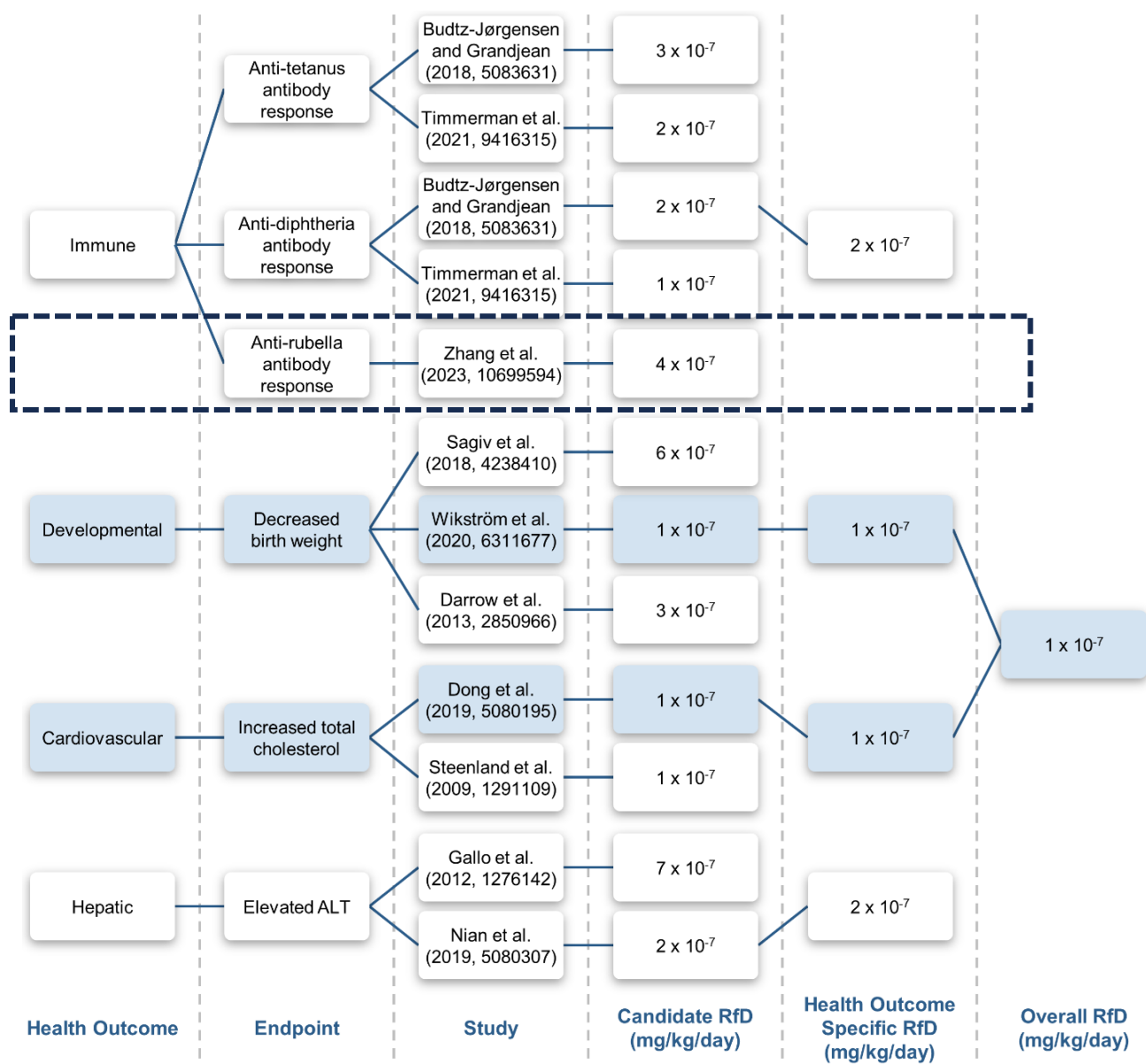


Figure 4-4. Schematic Depicting Selection of the Overall RfD for PFOS