

Contaminants of Emerging Concern Workplan

FISCAL YEAR 2027

The Contaminants of Emerging Concern (CEC) Initiative prioritizes chemicals that are likely to be found in Minnesota drinking water and do not have state human health-based guidance; or have new or changing health or exposure information that changes the level of concern. The CEC Initiative receives nominations from: (1) MDH and other state agency partners; (2) the Health Risk Assessment unit; and (3) the public. The CEC Initiative shared their workplan for this fiscal year (July 2026-June 2027) at their annual meeting.

- 89 total chemicals were screened in 2026. Top candidates were screened for feasibility of a full review.
- 59 chemicals were nominated by HRA staff, state partners, and the public. All chemicals were screened for exposure. Many (but not all) had toxicity data. Chemicals that didn't have data in the Toxicity Values Database (ToxValDB) were manually screened for toxicity.
- 40 candidate chemicals were selected through automated screening. All candidate chemicals had toxicity and exposure data.
- 10 chemicals were selected for the workplan.

CEC Initiative uses a new screening workflow to develop its workplan

The CEC Initiative Workplan (FY 2027) includes:

1. **Semi-automated workflow chemicals.** Process designed to identify high exposure potential and high toxicity potential chemicals.
2. **Nominated chemicals.** Chemicals of interest to our partners and the public.
3. **Diversity in chemical class.** Coverage of PFAS, disinfection byproducts, consumer chemicals, and industrial chemicals.

The workplan includes ten chemicals, ordered alphabetically, and includes nominations from MPCA, the public, and the new screening workflow (Table 1). The workplan includes the following chemical classes: PFAS, disinfection byproducts, data center-related, tire antidegradant, a transformation product, and a flame retardant.

Table 1: Contaminants of Emerging Concern Workplan (FY 2027)

Chemical	CAS	Nomination Source	Chemical Class/Use
6PPD	793-24-8	MPCA	Tire antidegradant
6PPD-Q	2754428-18-5	MPCA	6PPD transformation product
Bromate	15541-45-4	Workflow	Disinfection byproduct
Chlorodibromomethane	124-48-1	Workflow	Disinfection byproduct
Glutaraldehyde	111-30-8	Public	Biocide (data center-related)
Molybdenum/molybdate	7439-98-7, 11116-47-5	Workflow/Public	Metal/anticorrosion (data center-related)
Perfluoro heptanoic acid (PFHpA)	375-85-9, 120885-29-2	Workflow/MPCA	PFAS
Perfluorohexane sulfonate (PFHxS)	355-46-4 , 108427-53-8	Workflow/MPCA	PFAS
Sulfluramid (N-EtFOSA)	4151-50-2	MPCA	PFAS (pesticide)
Triphenyl phosphate (TPhP)	115-86-6	MPCA	Flame retardant

MDH is not able to conduct a full review and/or develop health-based guidance for every contaminant that is nominated. At the discretion of MDH, CEC staff may develop guidance for a contaminant that does not go through the nomination and selection process.

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