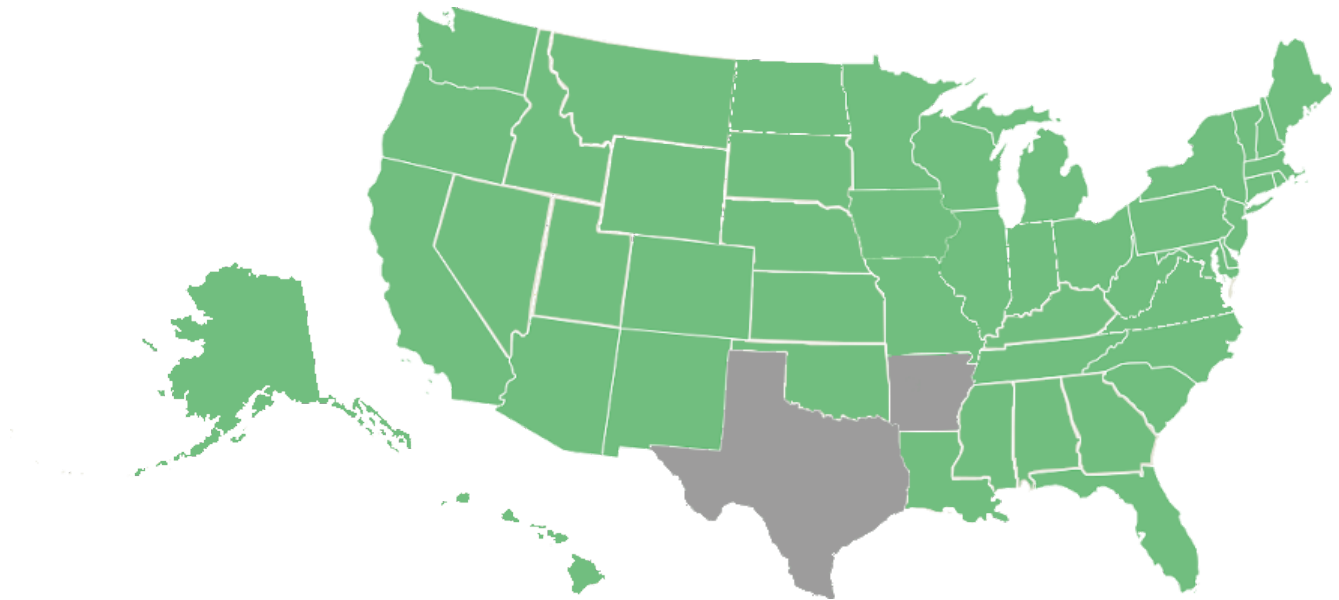




ITRC (Interstate Technology & Regulatory Council). 2023. *Contaminants of Emerging Concern Framework CEC-1*. Washington, D.C.: Interstate Technology & Regulatory Council, CEC Team. <https://cec-1.itrcweb.org/>.

US



Washington

WA Department of Ecology State of Washington - Other

<https://ecology.wa.gov/Research-Data/Monitoring-assessment/toxics-monitoring>

WA Department of Ecology State of Washington - Other

<https://ecology.wa.gov/About-us/Who-we-are/Our-Programs/Environmental-Assessment>

Oregon

Oregon Health Authority - Drinking water

<https://www.oregon.gov/oha/PH/HEALTHYENVIRONMENTS/DRINKINGWATER/OPERATIONS/Pages/EmergingContaminants.aspx>

California

State Water Resources Control Board - Drinking water <https://www.waterboards.ca.gov/pfas/>

https://waterboards.ca.gov/water_issues/programs/#cec

California Department of Pesticide Regulation - Air Quality Pesticide Air Monitoring Results Database

California Department of Pesticide Regulation, Groundwater Protection Program (GWPP) - Groundwater Groundwater Monitoring, Analyses, and Assessments

California Department of Pesticide Regulation, Surface Water Protection Program - Surface water Surface Water Database

California - Biomonitoring Biomonitoring California's Results Database

Idaho

Idaho Department of Environmental Quality — Drinking Water Bureau - Drinking water

<https://www.deq.idaho.gov/water-quality/drinking-water/pfas-and-idaho-drinking-water/>

Nevada

Nevada Division of Environmental Protection - Multiple

https://ndep.nv.gov/uploads/documents/DRAFT_75-percent_NDEP_PFAS_Action_Plan_20220405.docx

Montana

Montana Department of Environmental Quality - Multiple <https://deq.mt.gov/cleanupandrec/Programs/pfas>

Utah

Utah Department of Environmental Quality - Drinking water <https://deq.utah.gov/drinking-water/drinking-water-pfas>

Arizona

Arizona Department of Environmental Quality - Wastewater and biosolids <https://www.azdeq.gov/node/7940>

Arizona Department of Environmental Quality - Stormwater <https://www.azdeq.gov/node/7940>

Arizona Department of Environmental Quality - Environmental protection

<https://azdeq.gov/press-releases/press-release-adeq-committed-protecting-arizonans-and-assisting-public-water-systems>

Arizona Department of Environmental Quality - Drinking water <https://www.azdeq.gov/node/7940>

Colorado

Colorado Department of Public Health and Environment - Multiple

Main program page: <https://cdphe.colorado.gov/toxic-algae>

Data specifically:

https://cohealthviz.dphe.state.co.us/t/EnvironmentalEpidemiologyPublic/views/newhab_draft/HABdash?%3AshowAppBanner=false&%3Aorigin=viz_share_link&%3Adisplay_count=n&%3AshowVizHome=n&%3AisGuestRedirectFromVizportal=y&%3Aembed=y

Colorado Department of Public Health and Environment - Multiple <https://cdphe.colorado.gov/pfas>

City of Fort Collins - Drinking water

<https://www.fcgov.com/utilities/what-we-do/water/water-quality/source-water-monitoring/special-studies/emerging-contaminants>

New Mexico

New Mexico Environment Department - <https://www.env.nm.gov/>

South Dakota

South Dakota Department of Agriculture & Natural Resources - Drinking water

Kansas

Kansas Department of Health and Environment / Division of Environment - Drinking water

<https://www.kdhe.ks.gov/635/Per--Polyfluoroalkyl-Substances>

Oklahoma

Oklahoma Department of Environmental Quality - <https://www.deq.ok.gov/asd/about-deq/#>

Texas

State program(s) not identified by the CEC Team at the time of publication

Minnesota

Minnesota Pollution Control Agency - Environmental protection

<https://www.pca.state.mn.us/waste/mpca-pfas-monitoring-plan>

Minnesota Pollution Control Agency - Air Quality <https://www.pca.state.mn.us/waste/mpca-pfas-monitoring-plan>

Minnesota Pollution Control Agency - Wastewater and biosolids

<https://www.pca.state.mn.us/waste/mpca-pfas-monitoring-plan>

Minnesota Pollution Control Agency - Solid and haz wastes

<https://www.pca.state.mn.us/waste/mpca-pfas-monitoring-plan>

Minnesota Pollution Control Agency - Stormwater <https://www.pca.state.mn.us/waste/mpca-pfas-monitoring-plan>

Minnesota Pollution Control Agency - Remediation <https://www.pca.state.mn.us/waste/mpca-pfas-monitoring-plan>

Minnesota Department of Health - Drinking water

<https://www.health.state.mn.us/communities/environment/water/unregcontam.html>

Minnesota Department of Health - Drinking water

<https://www.health.state.mn.us/communities/environment/water/pfas.html>

Minnesota Pollution Control Agency - Water resources

<https://www.pca.state.mn.us/water/contaminants-emerging-concern>

Iowa

Iowa Department of Natural Resources - Drinking water

<https://www.iowadnr.gov/About-DNR/DNR-News-Releases/ArticleID/4446/Iowa-Department-of-Natural-Resources-releases-summary-of-PFAS-sampling>

Arkansas

State program(s) not identified by the CEC Team at the time of publication

Wisconsin

Wisconsin Department of Natural Resources - Drinking water

https://docs.legis.wisconsin.gov/code/admin_code/nr/800/80

<https://dnr.wisconsin.gov/sites/default/files/topic/PFAS/LabUpdate20210301.pdf>

Wisconsin Department of Natural Resources - Ecology <https://dnr.wisconsin.gov/topic/Fishing/consumption>

Wisconsin Department of Natural Resources - Surface water

https://docs.legis.wisconsin.gov/code/register/2022/799b/register/final/cr_21_083_rule_text/cr_21_083_rule_text

Illinois

Illinois Environmental Protection Agency - Groundwater

<https://www2.illinois.gov/epa/topics/water-quality/groundwater/Pages/620-Groundwater-Quality.aspx>

Tennessee

TN Department of Environment and Conservation - Other

<https://www.tn.gov/environment/policy/pfas/tdec-sampling-for-pfas.html>

Michigan

Michigan Department of Environment, Great Lakes, and Energy - Multiple <https://www.michigan.gov/pfasresponse>

Kentucky

Kentucky Energy and Environment Cabinet / Department of Environmental Protection - Multiple

<https://eec.ky.gov/Environmental-Protection/Water/Protection/Pages/PFAS.aspx>

Alabama

Department of Environmental Management - Drinking water

<http://ademmail2.state.al.us/programs/water/drinkingwater/pfaspage.cnt>

Ohio

Ohio Environmental Protection Agency - Drinking water

<https://epa.ohio.gov/monitor-pollution/pollution-issues/pfas-action-plan>

Georgia

Georgia Environmental Protection Division - Environmental protection

<https://gaepd.maps.arcgis.com/apps/MapSeries/index.html?appid=e8f2c6a51c1c41088002350f1eabe598>

Florida

Florida Department of Environmental Protection - Drinking water

<https://floridadep.gov/comm/press-office/content/regulated-drinking-water-contaminants-and-contaminants-emerging-concern>

Florida Department of Environmental Protection - Drinking water

<https://www.floridahealth.gov/environmental-health/private-well-testing/index.html>

West Virginia

West Virginia Department of Environmental Protection - Environmental protection

<https://dep.wv.gov/key-issues/Pages/PFAS.aspx>

North Carolina

North Carolina Environmental Quality - Environmental protection

<https://deq.nc.gov/news/key-issues/emerging-compounds>

South Carolina

South Carolina Department of Health and Environment - Environmental protection

<https://scdhec.gov/BOW/perfluoroalkyl-substances-pfas>

Pennsylvania

Pennsylvania Department of Environmental Protection - Water resources

<https://www.dep.pa.gov/Business/Water/CleanWater/WaterQuality/Pages/CECs.aspx>

Maryland

Maryland Department of Environment - Groundwater

<https://mde.maryland.gov/PublicHealth/Pages/PFAS-Landing-Page.aspx>

Delaware

Department of Natural Resources and Environmental Control - Water quality

<https://dnrec.alpha.delaware.gov/waste-hazardous/remediation/watar/>

Delaware River Basin Commission - Water quality <https://www.nj.gov/drbc/programs/quality/cecs.html>

New Jersey

New Jersey Department of Environmental Protection - Remediation

https://www.nj.gov/dep/srp/srra/listserv_archives/2021/20210805_srra.html

New Jersey Department of Environmental Protection - Drinking water

https://nj.gov/dep/wiip/docs/njwb_ffy22-sfy23-cw-dw_finaliup_propamend-pubnotice.pdf

Connecticut

Department of Energy and Environmental Protection - Remediation

<https://portal.ct.gov/DEEP/Remediation--Site-Clean-Up/Contaminants-of-Emerging-Concern/Contaminants-of-Emerging-Concern>

Massachusetts

Massachusetts Department of Environmental Protection - Multiple

<https://www.mass.gov/info-details/emerging-contaminants>

Northeastern University's Social Science Environmental Health Research Institute (SSEHRI) - Multiple
<https://pfasproject.com/pfas-sites-and-community-resources/>

New Hampshire

New Hampshire Department of Environmental Services - Multiple <https://pfas.des.nh.com>

Rhode Island

Vermont

Agency of Natural Resources - Water resources <https://legislature.vermont.gov/statutes/section/10/047/01283a>

Maine

Maine Department of Environmental Protection - Multiple <https://www.maine.gov/dep/spills/topics/pfas/index.html>

New York

New York State Department of Environmental Conservation - Remediation
https://www.dec.ny.gov/docs/water_pdf/emergingcontaminants.pdf

New York State Department of Environmental Conservation - Water resources
https://www.dec.ny.gov/docs/water_pdf/emergingcontaminants.pdf

New York State Department of Health - Drinking water <https://dos.ny.gov/system/files/documents/2022/10/100522.pdf>

Virginia

Virginia Department of Health
Virgia Department of Environmental Quality
Office of Drinking Water
Drinking water <https://www.vdh.virginia.gov/drinking-water/pfas/>

Indiana

Indiana Department of Environmental Management - Ecology http://www.in.gov/idem/nps/files/ir_2022_report.pdf

Mississippi

Mississippi Department of Environmental Quality - Groundwater
<https://www.mdeq.ms.gov/water/groundwater-assessment-and-remediation/pfas-information/>

Louisiana

Louisiana Department of Environmental Quality - <https://deq.louisiana.gov/subhome/water>

Missouri

Missouri Department of Natural Resources - Multiple

<https://modnr.maps.arcgis.com/apps/webappviewer/index.html?id=386c71927569476ebd2d0e6910424d17>

Nebraska

Nebraska Department of Environment and Energy - <http://dee.ne.gov/NDEQProg.nsf/Home.xsp>

North Dakota

North Dakota Department of Environmental Quality - Multiple

https://deq.nd.gov/Publications/MF/PFAS_Report_2021.pdf?v=1

Wyoming

Pending Additional Input - <https://deq.wyoming.gov/water-quality/groundwater/pfas/>

Alaska

Department of Environmental Conservation - Spill prevention <https://dec.alaska.gov/spar/csp/pfas>

Hawaii

Department of Health - Multiple <https://health.hawaii.gov/heer/environmental-health/highlighted-projects/pfas/>

Federal



Association of State and Territorial Solid Waste Management Officials, Inc.

Solid and haz wastes -

<https://astswmo.org/webinar-how-to-develop-a-state-led-contaminants-of-emerging-concern-cec-program/>

Centers for Disease Control and Prevention (CDC)

National Biomonitoring Program (NBP) Health - National Biomonitoring Program

USDOD

U.S. Department of Defense Environment, Safety & Occupational Health Network and Information Exchange

Hazardous substances - <https://www.denix.osd.mil/cmrrmp/index.html>

USEPA

U.S. Environmental Protection Agency Remediation -

<https://www.epa.gov/fedfac/emerging-contaminants-and-federal-facility-contaminants-concern>

U.S. Environmental Protection Agency CEC including pharmaceuticals and personal care products -

<https://www.epa.gov/wqc/contaminants-emerging-concern-including-pharmaceuticals-and-personal-care-products>

U.S. Environmental Protection Agency Drinking water -

https://www.epa.gov/system/files/documents/2022-03/combined_srf-implementation-memo_final_03.2022.pdf

U.S. Environmental Protection Agency Wastewater and biosolids -

https://www.epa.gov/system/files/documents/2022-03/combined_srf-implementation-memo_final_03.2022.pdf

U.S. Environmental Protection Agency Drinking water -

<https://www.epa.gov/dwucmr/learn-about-unregulated-contaminant-monitoring-rule>

Canada



Environment and Climate Change Canada - Others National Pollutant Release Inventory - [Canada.ca](https://www.canada.ca)

Environment and Climate Change Canada - Others Water Quality Monitoring and Surveillance Program

Europe



European Chemicals Agency

Pending Additional Input

Australia



Department of Climate Change, Energy, the Environment and Water - Multiple

<https://www.dcceew.gov.au/environment/protection/npi/data>

New South Wales Environment Protection Authority - Multiple

<https://www.epa.nsw.gov.au/your-environment/contaminated-land/pfas-investigation-program>

Australia's National Science Agency - Multiple

<https://www.csiro.au/en/research/natural-environment/ecosystems/Emerging-contaminants>



State Program has
been identified by
ITRC's CEC Team



State Program has
not been identified
by ITRC's CEC Team

1. Introduction

This Fact Sheet consists of a table containing representative contaminants of emerging concern (CEC) programs from state, federal, local, and international programs, along with associations with CEC monitoring programs in place at the time of this publication. The purpose of the table is to provide high-level information to help states and other stakeholders plan their own CEC monitoring programs to monitor the impact of CEC in the common environmental matrices. The White Paper defines the CEC, but the CEC selection criteria to be included in the state-based CEC monitoring program can vary from state to state subject to the state CEC selection criteria, regulations, and policy. For instance, in some states, 1,4-dioxane might be regulated and no longer considered a CEC for drinking water; at the same time, it may be considered to be a CEC for soil and groundwater. When this publication was prepared, the programs included in the CEC monitoring spreadsheet were searchable and had open-source information and were expected to remain accessible.

This Fact Sheet does not include CEC programs that only include introductory information to generally communicate what a CEC is and where a CEC comes from (e.g., CEC-containing products) or do not have CEC monitoring programs.

Details about how to use the table are below.

1.1 How to Use the Table

Each column can be sorted and filtered. Each column is described below. Blank cells indicate no information was identified at the time this table was created.

1.2 Column Details

State/Fed/Others = name of the state or federal agency or association

Agency = full agency name

Agency Acronym = agency acronym

Program area (categories) = Air Quality, Biomonitoring, Drinking water, Ecology, Environmental protection, Groundwater, Hazardous substances, Health, Multiple (see description), Other (see description or notes), Remediation, Solid and hazardous wastes, Spill prevention, Stormwater, Surface water, Wastewater and biosolids, Water quality, Water resources

Focus Area = additional details of program area, if applicable

Monitoring Media (categories) = Air, Biological tissues, Drinking water, Groundwater, Human Health, Multiple (see description or notes), Other (see description or notes), Solid waste, Stormwater, Surface water, Wastewater

CEC = description of which contaminants of emerging concern are addressed in the monitoring program

Description = short description of the monitoring program and additional details, if needed

Legislation or Executive Order = reference to legislation, if applicable

Web link = link to home of the monitoring program

CEC database = link to specific database, if applicable for the CEC

1.3 Types of Programs That Are NOT Included in This Table

The following types of programs are not included in the table:

- Those geared toward only public education, such as “What are PFAS?”
- Those that detail sampling methods, analytical methods, and compliance limits.
- Those that are specific to one site.
- Those that describe just physical and chemical properties.
- Those that list toxicity values or derivations of toxicity values.
- Those that regulate and monitor parent compounds that have the potential to degrade or break down to a CEC.
- Those that monitor products, such as personal care products

1.4 Limitations of This Table

This table does not address biological and radionuclide CEC.

This table does not report monitoring programs related to personal care or consumer products such as paper, textiles, or others within the built environment.

Download table

CEC Monitoring Programs Video

This video consists of a tutorial of the CEC Monitoring Programs Table. It discusses the types of programs and media covered by the table, as well as its limitations. A walk-through on how to use the table is included toward the end of the video.

CEC Monitoring Table Tutorial Video