



Minnesota's PFAS Blueprint

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- 1. Minnesota's PFAS History**
- 2. The PFAS Blueprint – goals and contents**
- 3. Comments and questions?**

Minnesota's PFAS Journey



Disposal Sites



Drinking Water

- PFOA and PFOS – reported in disposal sites
- Discovered in nearby drinking water



- Further investigation found PFAS throughout Minnesota



- Thousands of PFAS studies published
- Health-based guidance evolves to reflect new science



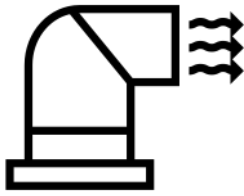
Wastewater



Solid Waste



Fish and wildlife



Air

- Legacy and emerging PFAS found at concentrations of concern in multiple places around Minnesota

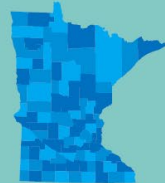
February 2021

Minnesota's PFAS Blueprint

A plan to protect our communities and our environment from per- and polyfluorinated alkyl substances

Minnesota's PFAS Blueprint supports a holistic and systematic approach to address PFAS.

- Acknowledges interconnections between programs, policies, and regulations.
- Proposes strategic path forward.



Minnesota's PFAS Blueprint: Contents

Outline

- *Introduction*: Provide an overview of PFAS, including the history of PFAS response in Minnesota
- *10 Issue Papers*:
 - Cover page – 1-page overview of topic
 - Introduction – scientific and regulatory context needed to understand the topic
 - Past and ongoing activities – what was done, who led the effort, why was it beneficial (what did we learn), challenges, how much time/money
 - Gaps and key areas of opportunities – initiatives under consideration that could fill gaps
 - Areas of intersection with other topics
- *Appendixes*: Preliminary designation of “2021 legislative priorities,” “short-term,” and “medium to long-term,” acknowledging resource needs and other contingencies

Goal: Ground discussion of next steps for managing PFAS in various topic area

Ten topic areas:



Preventing PFAS pollution



Limiting PFAS exposure from food



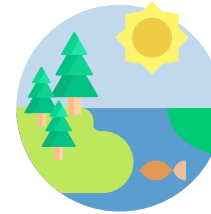
Measuring PFAS effectively and consistently



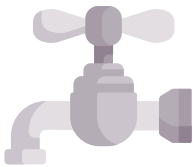
Understanding risks from PFAS air emissions



Quantifying PFAS risks to human health



Protecting ecosystem health



Limiting PFAS exposure from drinking water



Remediating PFAS-contaminated sites



Ensuring safe consumption of fish and game



Managing PFAS in waste

Moving forward

A comprehensive PFAS management system is not going to happen overnight.

There are a lot of needs, a lot of work going on around the country, and we have resource constraints.

Today: Work to advance 2021 legislative priorities.

Next two years: Continue to advance in areas where agencies have existing authority, information, and resources.

Long term: Advance initiatives while strategically considering federal action, ongoing research, and partnerships.

General Approach



1 Prevent

PFAS pollution
wherever possible



2 Manage

PFAS pollution when
prevention is not
feasible or pollution has
already occurred



3 Clean up

PFAS contaminated sites

Status and next steps

- Released PFAS Blueprint on Feb 10th
 - Full draft (196 pages)
 - Cover pages only (20 pages)
 - Mini-Blueprint (6 pages)
- Identifying short-term initiatives to pick-up and advance
 - Stakeholder engagement

Questions?