

Loveland City Council – Councilmanic Update 9/11/24

To view the update as presented to City Council on 9/10/24 please visit our Youtube Channel: <https://www.youtube.com/watch?v=udlxrjt6kVA>

Background:

- Per- and polyfluoroalkyl substances (PFAS) are a group of man-made chemicals used to manufacture many waterproof, stain-resistant, and nonstick consumer goods. PFAS can also be found in things like cosmetics, some fast-food packaging, and a type of firefighting foam called aqueous film-forming foam (AFFF).
- The primary source of exposure to PFAS is through eating and drinking PFAS-contaminated food and water. These man-made chemicals sometimes enter drinking water at locations where they are manufactured, used, disposed of, or spilled. PFAS has also been detected in the air near manufacturing facilities.
- Because PFAS is long-lasting and not easily broken down by natural processes, it may remain in the environment for many years.

PFAS Timeline:

- In 2019, Governor DeWine ordered Ohio EPA and ODH to analyze the prevalence of PFAS in Ohio's drinking water. In response, Ohio EPA and ODH created Ohio's PFAS Action Plan 1.0, which prioritized the testing of water in Ohio's nearly 1,500 public water systems. Below are the original objectives.
- To help Ohio's public water systems evaluate their PFAS testing results, Ohio developed Action Levels for six PFAS compounds. When the Ohio PFAS Action Plan 1.0 was developed, there were no national drinking water standards for PFAS. Ohio used U.S. EPA's Health Advisory Level for PFOA and PFOS and developed Action Levels for four additional compounds (PFNA, GenX, PFBS, PFHxS). These six PFAS compounds were evaluated during the statewide sampling of public water systems.

Ohio's PFAS 2020 Action Levels						
PFAS Chemicals*	PFOA	PFOS	GenX	PFBS	PFHxS	PFNA
Action Level in parts per trillion (ppt)	>70 single or combined with PFOS	>70 single or combined with PFOA	>700	>140,000	>140	>21

*PFOA (Perfluorooctanoic Acid), PFOS (perfluorooctane Sulfonate), GenX (HFPO dimer acid), PFBS (perfluorobutanesulfonic acid), PFHxS (perfluorohexane sulfonic acid), and PFNA (perfluorononanoic acid).

- City of Loveland has PFOS ranging from 15-16 ppt in finished water.
- In June 2022 US EPA begins rulemaking process to implement new drinking water standards, with the idea that these limits would be much lower.
- City of Loveland responded by engaging Burgess & Niple in a study for treatment.
- Ohio EPA announces \$87M over 5 years of grant funding for PFAS. Approximately \$17M per year, from the Bipartisan Infrastructure Bill (BIL).
- In 2023, City of Loveland joins class action lawsuits against, 3M, Dupont, BASF, and Tyco for discharging PFAS to groundwater.
- On April 10th, 2024 US EPA finalized the National Drinking Water Rule:
 - Within 3 years of rule establishment (2024-2027):
 - o Initial monitoring must be complete.
 - Starting 3 years following rule establishment (2027-2029):
 - o Results of initial monitoring must be in Consumer Confidence Reports (i.e. Annual Water Quality Reports).
 - o Regular monitoring for compliance must begin, and results of compliance monitoring must be included in Consumer Confidence Reports.
 - o Public notification for monitoring and testing violations must begin.
 - Starting 5 years following rule establishment (Beginning in 2029):
 - o Comply with all Maximum Contaminant Levels (MCL).
 - o Public notification for MCL violations must begin.
- PFOS MCL at 4 ppt. MCLG at 0 ppt.
- City of Loveland continued communication via website, social media with residents.
- City of Loveland creates a PFAS remediation Fund, with proceeds from grants, settlements and lease agreements to be applied.
- April 2024 – City of Loveland submitted and subsequently was approved for a \$46,500 grant for reimbursement of PFAS study with Burgess & Niple through Water Supply Revolving Loan Account.

- May 2024 – Published USEPA guidance of home water filters to website and social media.
- COL begins rotation of wells utilizing those lowest in PFAS concentrations.
- Study was completed in June 2024.
- July 2024 – Updated website to show PFAS info more prominently with a quick button on homepage.
- July 2024 - COL posts request for qualifications (RFQ) for interested engineering firms for design.
- September 2024 – Begin scope and fee negotiations with AECOM for design.
- Continuous dialog with State and Federal legislators and regulators regarding funding, last 2 weeks
- Will submit a grant request to WSRLA for design and construction funding once General Plan is approved by OEPA.
- Future bills will have message directing customers to website for PFAS info.
- Settlements will begin to float the end of this year. Front end loaded, over 10 years.