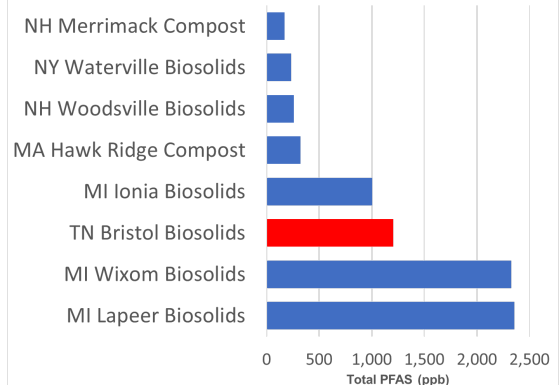


Tennessee Has a PFAS Problem

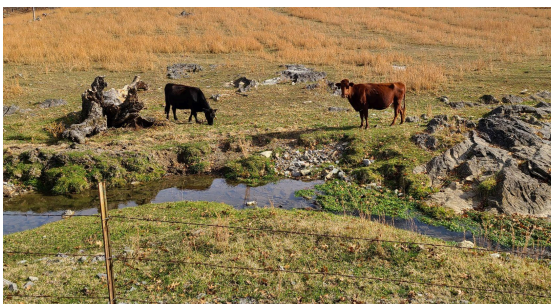
Discharges of PFAS are contaminating Tennessee's lakes, rivers and lands

- Extremely high levels of PFAS have been measured in Tennessee Wastewater Treatment Plant sludge applied to land
- High levels of PFAS are contaminating Tennessean's drinking water
- Tennessee does not understand the scope of the pollution
- Farms across in other states have been shut down
- TN Attorney General knows PFAS are a problem and is suing manufacturers over PFAS contamination

TN sludge PFAS among the highest



Tennessee's open lands and waters are at risk of permanent contamination



We need to understand the PFAS problem

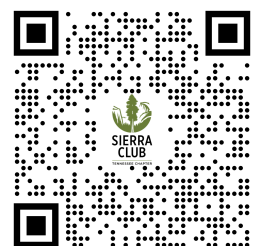
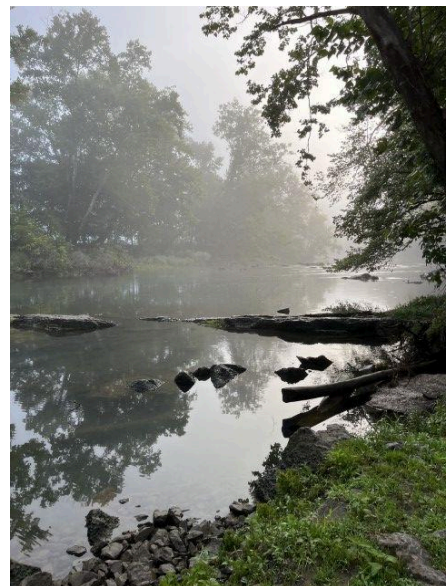
- End land application of contaminated biosolids
- Test discharges, influent and solids from sources
- Control upstream sources
- Update NPDES permits to require monitoring for PFAS

What are PFAS - Per and poly fluorinated alkyl substances

- A class of toxic chemicals commonly referred to as "forever chemicals" because of their persistence in the environment.
- Many accumulate in tissues of people, crops, livestock and wildlife.
- PFAS are currently used in many consumer products (stain and water resistant clothing and outerwear, food wrappers, packaging, carpeting, furniture, personal hygiene products) disposed of in landfills and wastewater.
- Used in industrial processes (metal plating, electronics, fire fighting foams).

Wastewater treatment plants are significant dischargers of PFAS

- Accept PFAS contaminated wastewater, leachate, from landfills and industrial sources
- PFAS are not removed during standard treatment
- PFAS ends up in the water discharged to rivers and lakes and the solid sludge applied to land
- WWTPs can require dischargers to eliminate the use of PFAS or pretreat wastewater influent



PFAS in the News

- ['I don't know how we'll survive': the farmers facing ruin in Maine's 'forever chemicals' crisis](#)
- [Texas farmers claim company sold them PFAS-contaminated sludge that killed livestock](#)
- ['Forever chemicals' upended a Maine farm — and point to larger problem](#)
- [More than 50 Maine farms impacted by PFAS, but state officials see 'glimmer of hope'](#)
- [Toxic PFAS are Everywhere, and Remain Largely Unregulated](#)
- [Report: record levels of 'forever chemicals' in NE Tennessee sewage sludge used as crop fertilizer](#)
- [Report: 'Forever chemicals' in northeast TN pose longterm risk to region's drinking water](#)
- [Forever Chemicals and Agriculture Case Study](#)
- [VICE Spotlights the Demise of a Century-Old Cattle Farm Due to PFAS Contamination](#)
- [PFAS in Biosolids Prompt Lawsuits](#)