

The background is a light blue gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The text is centered on the page.

PFAS PETITION FOR RULEMAKING

CONSERVATION LAW FOUNDATION

JANUARY 16, 2018

TOXIC FOREVER CHEMICALS: A PUBLIC HEALTH PERFECT STORM



PERSISTENT IN
ENVIRONMENT



HIGHLY MOBILE IN
WATER



BIOACCUMULATIVE



TOXIC IN VERY SMALL
QUANTITIES (PARTS
PER TRILLION)



FOUND IN HUNDREDS
OF PRODUCTS



THOUSANDS OF
DIFFERENT
COMPOUNDS

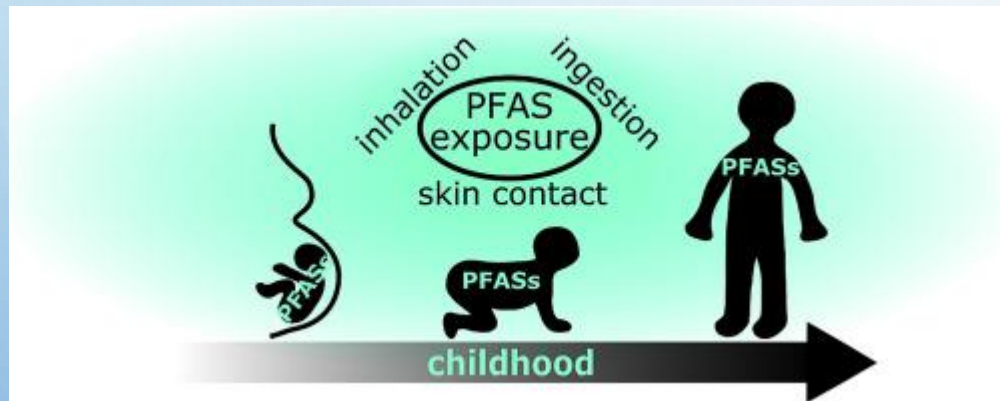
SOURCES OF PFAS



Industrial sources:

- Chemical manufacturing
- Textiles/carpets
- Chrome plating
- Wire coating
- Paint manufacturers
- Performance coating (i.e. circuit boards)
- Plastic injection molding
- Tanneries
- Car washes
- And the list goes on

HEALTH EFFECTS



- KIDNEY CANCER
- TESTICULAR CANCER
- DECREASED ANTIBODY RESPONSE TO VACCINES
- ASTHMA
- IMPAIRED FERTILITY
- THYROID DISEASE
- HIGH CHOLESTEROL
- LIVER DAMAGE
- PREECLAMPSIA
- ULCERATIVE COLITIS
- DECREASES IN BIRTH RATE

PROTECTING THE PUBLIC FROM PFAS

WHAT WE'RE ASKING FOR:

1. AT A MINIMUM, IMMEDIATELY ADOPT THE 20 PPT STANDARD FOR 5 PFAS
2. ADOPT A TREATMENT TECHNIQUE STANDARD THAT PROTECTS PUBLIC FROM PFAS CLASS OR
3. ADOPT A DRINKING WATER STANDARD FOR PFAS CLASS

AND

SAMPLE, SAMPLE, SAMPLE



WHAT IS A SAFE LIMIT FOR PFAS?

CLF RECOMMENDS STANDARD BE \leq 1 PPT FOR ANY PFAS

TREATMENT TECHNOLOGIES



PFAS STUDIES RELATED TO TREATMENT TECHNOLOGIES



TREATMENT TECHNOLOGY EXPERTS



COST ASSESSMENTS OF BEST TECHNOLOGIES



BENEFITS AND COST SAVINGS ASSOCIATED WITH REDUCED PFAS EXPOSURE

KEEPING THE PUBLIC AWARE

- TRANSPARENCY REGARDING STATEWIDE SAMPLING AND TIMELINE
- COMMUNICATION BY MA DEP TO THE COMMUNITIES THAT MAY BE AT RISK OF PFAS EXPOSURE
- REMEDIATION PLANS FOR PFAS CONTAMINATED SITES
 - ALTERNATIVE DRINKING WATER SOURCES
 - CLEAN-UP STRATEGY AND TIMELINE
- UPDATED PFAS CONTAMINANT STANDARDS



AFFF DISPOSAL

- AFFF (ACQUEOUS FILM FORMING FOAM) AKA “FIREFIGHTING FOAM” IS A MAJOR SOURCE OF PFAS CONTAMINATION
- AIRPORTS, MILITARY BASES, FIRE FIGHTING TRAINING SITES
- AFFF TAKE BACK PROGRAMS
 - CONCERNS ABOUT INCINERATION
- UNSAFE DISPOSAL CAN CAUSE FURTHER WATER AND AIR CONTAMINATION

