

# LESSON LEARNED: Protecting Environmental Health by Regulating PFAS as a Class/Classes

Photographs for Testimony by Laura Olah, Executive Director  
Citizens for Safe Water Around Badger (CSWAB)

**Stakeholder Meeting – Drinking Water PFAS MCLs**  
10:00 am – 1:00 pm September 23, 2020  
Hosted by Wisconsin DNR





# Technical Fact Sheet – Dinitrotoluene (DNT)

November 2017



## TECHNICAL FACT SHEET – DNT

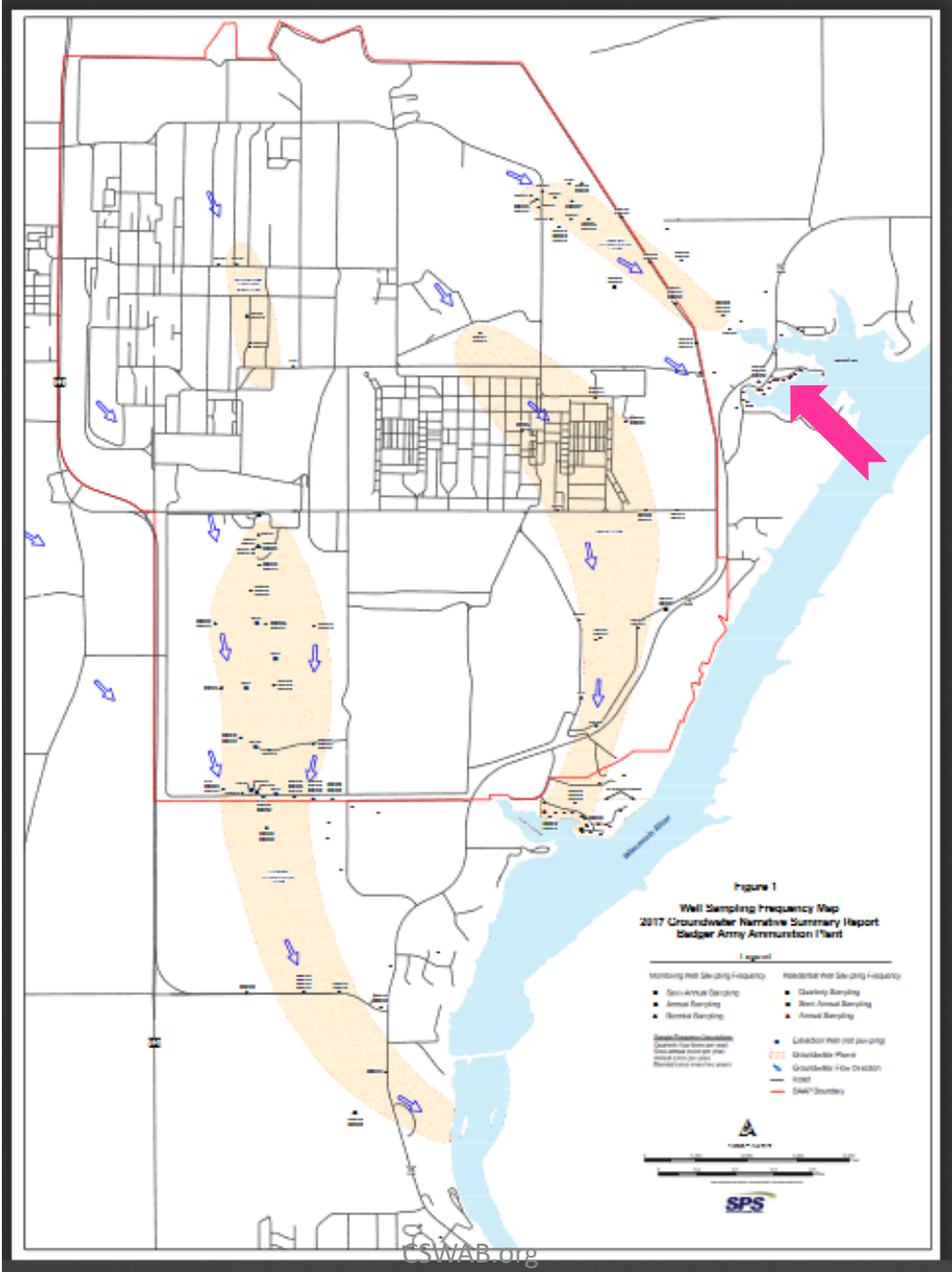
### At a Glance

- ❖ Nitroaromatic explosive that exists as six isomers: 2,4- and 2,6-DNT are the most common forms.
- ❖ Not naturally found in the environment.
- ❖ Used as an intermediate in the production of ammunition, polyurethane polymers, dyes, plasticizers and automobile

### Introduction

This fact sheet, developed by the U.S. Environmental Protection Agency (EPA) Federal Facilities Restoration and Reuse Office (FFRRO), provides a summary of dinitrotoluene (DNT), including physical and chemical properties; environmental and health impacts; existing federal and state guidelines; detection and treatment methods; and additional sources of information. This fact sheet is intended for use by site managers and field personnel who may address DNT contamination at cleanup sites or in drinking water supplies.

The widespread use of DNT in manufacturing munitions, polyurethane foams, and other chemical products has contributed to extensive soil and groundwater contamination. DNT can be transported in surface water or groundwater because of its moderate solubility and relatively low volatility,

















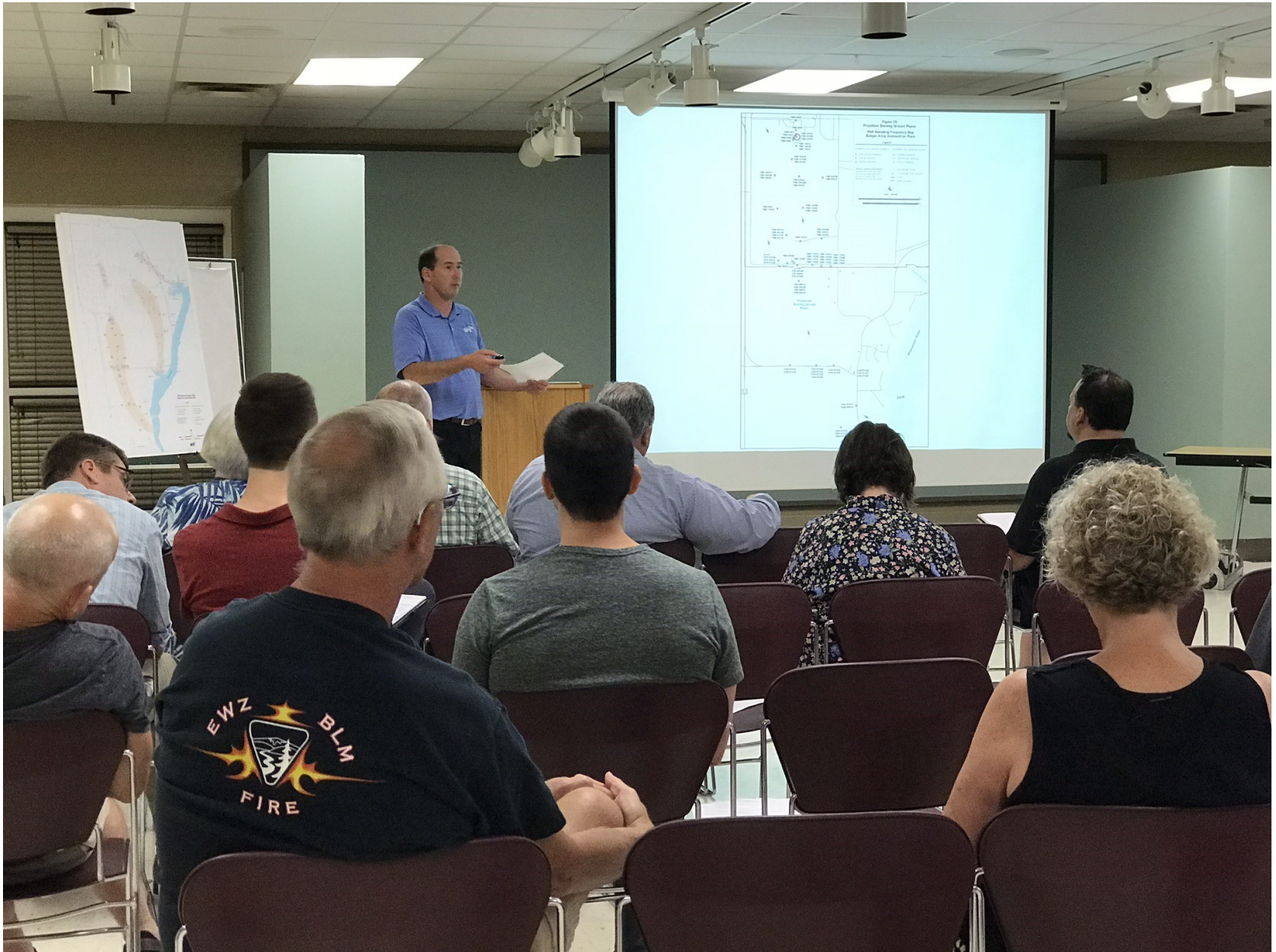






Photo by Eagle-Herald

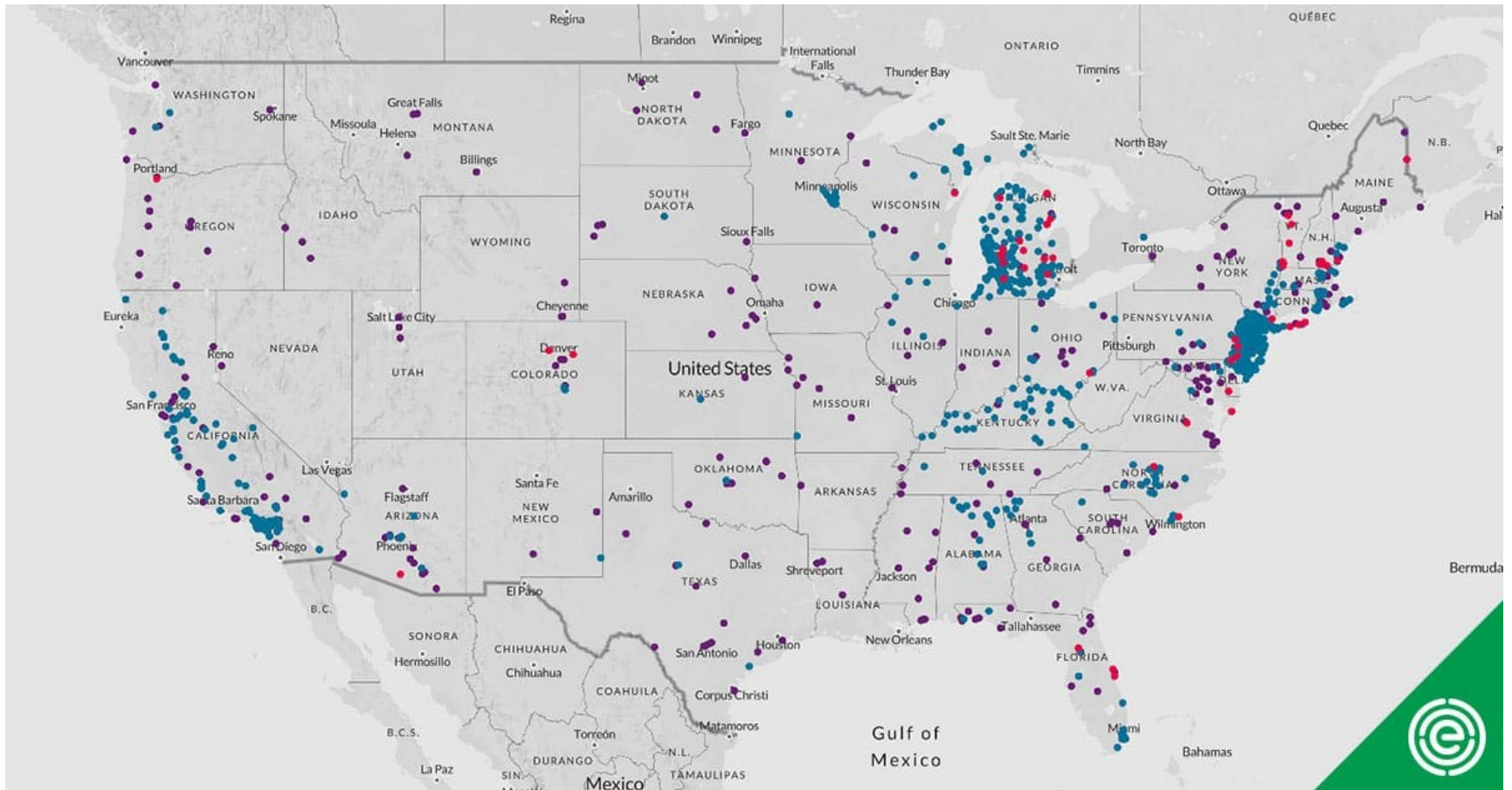
















## Scientific Basis for Managing PFAS as a Chemical Class

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**ABSTRACT:** This commentary presents a scientific basis for managing as one chemical class the thousands of chemicals known as PFAS (per- and polyfluoroalkyl substances). The class includes perfluoroalkyl acids, perfluoroalkylether acids, and their precursors; fluoropolymers and perfluoropolyethers; and other PFAS. The basis for the class approach is presented in relation to their physicochemical, environmental, and toxicological properties. Specifically, the high persistence, accumulation potential, and/or hazards (known and potential) of PFAS are discussed in relation to the management of PFAS as a single class. Environmental



# PFAS chemicals pass from mother to fetus throughout pregnancy













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