



EMERGING CONTAMINANTS

CHEMICAL TOXINS MAY BE POISONING YOUR COMMUNITY

PFAS: THE FOREVER CHEMICAL

PFAS, PFOA and PFOS are being found increasingly in the groundwater and drinking water supplies in communities throughout the country.

Environmental and Health Concerns

PFAS can remain in the environment, particularly in water, for many years and can move through air, soil and into groundwater. PFAS has also been found to bioaccumulate in humans and animals.

One of the most often cited studies was conducted by the C8 Science Panel, formed as the result of a settlement in a class action lawsuit against DuPont, found a probable link between PFOA and the following six diseases:

- Kidney Cancer
- Testicular Cancer
- Ulcerative Colitis
- Thyroid Disease
- Pregnancy Induced Hypertension (including preeclampsia)
- Hypercholesterolemia

Who is responsible?

PFOA was produced by eight major U.S. companies, including: Arkema, Asahi, Ciba, Clariant, Daikin, DuPont, 3M/Dyneon, Solvay, and Sollexis. PFOS was solely produced by one company in the United States: 3M Company. Although these manufacturers agreed to phase-out AFFF containing PFAS several years ago, recent testing has led to the discovery of widespread contamination in drinking water supplies in many states.

(Littleton, MA) Partner Hank Naughton attended the ground-breaking for the new 10,500-square-foot water treatment plant to remove PFAS chemical compounds, which were first discovered at elevated levels in one drinking water source in 2019.



HANK NAUGHTON: LEAD LOCAL COUNSEL



The Clinton, MA Water Treatment Plant is named after Hank's father.

Hank Naughton, from Clinton, Mass., has taken a leadership role advising clients whose water supplies have been negatively impacted by the use of PFOA and PFAS by airports, military bases and local industries.

His appreciation of these issues grew from observing his own father's 40 years of work with the Clinton Water Department.

Having served in the Massachusetts House from 1995 to 2021, Hank consistently and successfully advocating for environmental and water protection throughout the Commonwealth.

Hank is a decorated Army Veteran of multiple tours in Iraq, Afghanistan, Central Africa and elsewhere.

PAUL NAPOLI: LEAD LITIGATION COUNSEL

Mr. Paul Napoli will be serving as our lead trial attorney in this litigation against the manufacturers of PFAS. Paul is nationally renowned for his leadership in environmental mass torts, complex liability cases, and representing municipalities, with more than 25 years of experience.

Paul has been appointed as Co-Lead Counsel in this case by the presiding judge and he will continue to be at the table for every significant decision, procedure and activity. The case involves a variety of plaintiffs and claims brought on behalf of negatively impacted municipalities, states and public water districts.

PAUL J. NAPOLI, *Of Counsel*

Co-Lead Counsel in the
AFFF Products Liability Litigation

ABOUT NAPOLI SHKOLNIK PLLC

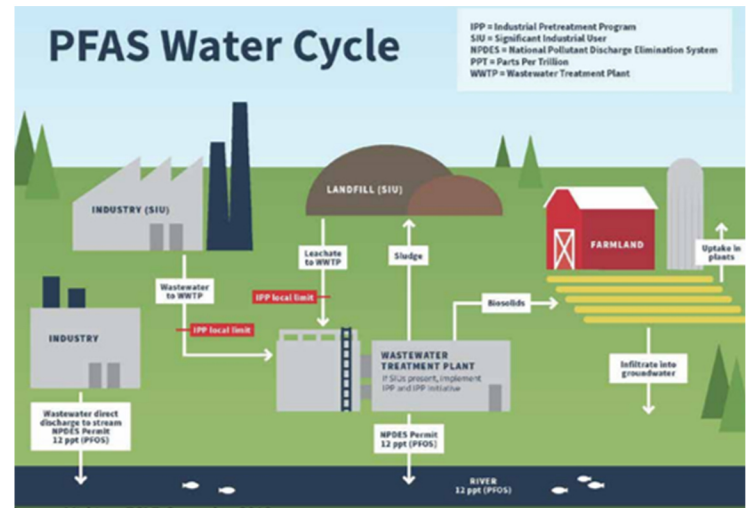
Attorneys at Napoli Shkolnik consistently achieve settlements and jury awards involving multiple millions of dollars for plaintiffs. They are involved in many high-level negotiations that have resulted in favorable settlements for their clients such as the \$320M Cuyahoga Opioid Settlement, the \$1B World Trade Center Litigation, and the \$50M MTBE settlement, among many others.

PFAS AND LANDFILLS

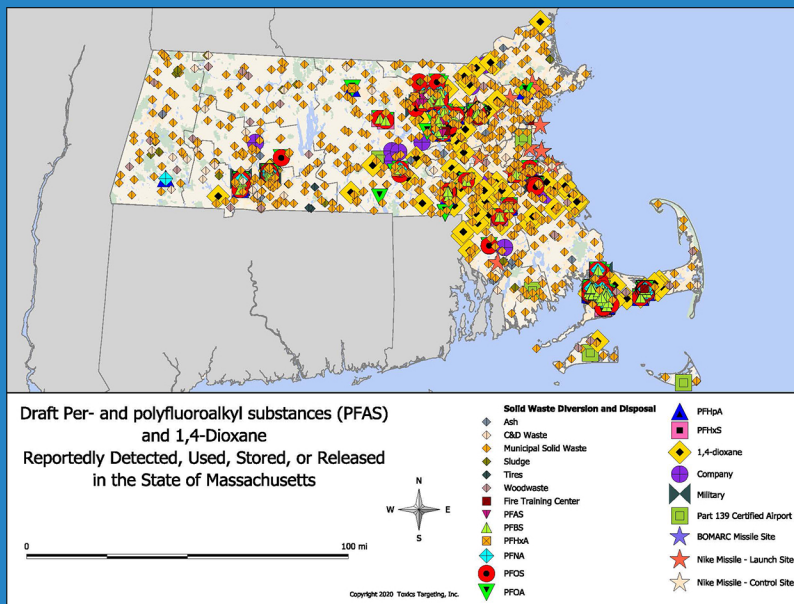
Landfills are PFAS sources because the chemical can leach from the waste materials, which then drain to leachate collection systems that might be discharged to the local wastewater treatment plant. At older, unlined landfills, this leachate may seep directly into the ground and pose a threat to groundwater.

Sources include:

- PFAS-impacted industrial waste
- Sewage sludge from wastewater treatment facilities
- PFAS-bearing consumer wastes, food waste
- Any industrial, commercial or consumer products landfilled since the 1950s



1,4-DIOXANE: A LIKELY CARCINOGENIC*



The chemical 1,4-Dioxane is a solvent stabilizer frequently found at contaminated sites where methyl chloroform (1,1,1-trichloroethane) was used for degreasing. It is fully miscible in water and is among the most mobile organic contaminants, which is why it is frequently found farther downgradient than the leading edge of a solvent plume.

In addition to solvent and degreasing applications, 1,4-Dioxane is frequently found as a chemical contaminant in cosmetics and personal care products such as deodorants, laundry detergents, shampoos, toothpastes and mouthwashes. It has been linked to tumors of the liver, kidneys, and nasal cavity. It is also a known eye and respiratory tract irritant that readily absorbs through the skin.

1,4-Dioxane is unstable at elevated temperatures and pressures and may form explosive mixtures with prolonged exposure to light or air. It is resistant to biodegradation in water and soil and moves rapidly from soil to groundwater.

TREATMENT AND REMEDIATION

Water Treatment

- Granular Activated Carbon (GAC)
- Ion Exchange

Soil Treatment

Cleaning Up Legacy Sites



KP LAW: OUR MISSION

The principal expertise of the firm is the practice of public sector law. KP Law represents over one-third of the cities and towns in the Commonwealth as their City Solicitor or Town Counsel. In addition, we provide special counsel services, including serving as labor and employment counsel, to other cities and towns, special districts, housing authorities, municipal light plants, regional transit authorities, and state agencies. The firm's broad range of practice areas includes labor and employment, contracts, real estate, land use, environmental, town meeting, government information and access, procurement and construction.

* With a Lifetime Cancer Risk Guideline for drinking water of 0.35µg/L (micrograms per Liter) by the U.S. EPA. ms.