



**Department of
Environmental
Conservation**

Emerging Contaminants

CCLR Workshop- Driving Revitalization Through Land Reuse and Resiliency

**Westbury, NY
December 4, 2018**

Overview

- **Emerging Contaminants**
- **Long Island's Sampling Initiative**
- **Grants for Emerging Contaminants**



1,4-Dioxane: Where does it come from?

- **Used as a stabilizer for chlorinated solvents; mostly with Trichloroethane (TCA)**
- **A by-product in many commercial and consumer products including:**
 - **Paint strippers, dyes, greases**
 - **Personal care products**
 - **Detergents**





PFOA and PFOS: Where do they come from?



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Per-and Polyfluoroalkyl Substances (PFAS)

Group of compounds - resistant to heat, water and oil

- Firefighting foam since 1960s -used for Class B fires
- Teflon coated cookware
- Stain and oil resistant paper products and textiles
- Semiconductor production



Long Island Sampling Initiative

- **1,4-Dioxane**
- **PFAS – PFOA and PFOS + 19 other constituents**
- **152 Superfund Sites + 22 Brownfield Sites**
- **78 Landfills**



Evaluation of Results

- **Results will be considered and incorporated into remedial decisions**
- **Existing remedial systems will be evaluated**
- **Ongoing and new investigations will incorporate 1,4-dioxane and PFAS in addition to standard analytes**



WIIA/IMG Grants: Emerging Contaminants in Drinking Water

Support infrastructure projects that protect public health by removing or otherwise addressing emerging contaminants:

- Treatment to remove emerging contaminants
- Extending public water system infrastructure
- Developing or connecting to a new water source

➤ **Deadline: January 11, 2019**



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Awarded Grants – More Than \$36 Million

\$3M - South Huntington WD - 1,4-dioxane treatment

\$2.1M - Bethpage WD - 1,4-dioxane + VOCs treatment

\$9.7M - SCWA to extend water mains in Wainscott - PFAS

\$3M - Garden City Park WD

\$3M - City of Glen Cove

\$2.6M - Village of Hempstead

\$1.9M – Locust Valley WD

\$4.7M – Town of Oyster Bay

\$3M – Town of Riverhead

\$2.9M – Village of Rockville Centre



Emerging Contaminants Project Planning Grants

Up to \$50 thousand to help fund the planning and development of an engineering report

- **Deadline: December 14, 2018**

<https://www.efc.ny.gov/EmergingContaminants>



Thank You

Karen Gomez

Regional Engineer

Water and Remediation

50 Circle Road, Stony Brook

karen.gomez@dec.ny.gov

631-444-0321

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