

Town of West Tisbury, MA

Opportunity Owner: Town of West Tisbury, MA
 Population: 2,904
 Address: 1059 State Rd, West Tisbury
 Zip Code: 02575
 County: Dukes

14-Apr-2023

Trigger Summary The Martha's Vineyard Airport Commission is currently working with Tetra Tech on a PFAS remediation pilot.

Indicator Group
Drinking Water
Emerging Contaminants Initiatives
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)
Groundwater Remediation
New Build Initiatives
Feasibility and Other Study Initiatives

Locations West Tisbury, MA

Consultants Tetra Tech

Source [Pilot Program Looks to Help Mitigate PFAS Spread](#)

Trigger Extract How do you eliminate a toxin designed to last forever? That is the very question which the Martha's Vineyard Airport was confronted with four years ago, when they found out that an accumulation of the toxic, so-called "forever chemical" PFAS on their property was infiltrating the Island aquifer. And so, rather than try to destroy the PFAS, a project was initiated to trap it, using advanced material science to turn the aquifer itself into a filter.

Known as PlumeStop, the project, which was completed this fall, seeks to stop the chemicals in their tracks, caging them underground before they reach the aquifer or other wells.

"It's an innovative technology," said Ron Myrick, the vice president of Tetra Tech who works with the engineering firm in charge of the project.

The PlumeStop has enough capacity to continue filtering PFAS for decades, and more material can be inserted behind the existing area if all the carbon becomes saturated.

***"We're calling this a pilot project. It's not intended to deal with all the issues," Mr. Myrick said, though the efficacy of the project has been demonstrated in its use at other airports. He emphasized that monitoring would continue, and that further injections were likely**.

Source Date 02-Jan-2023

Contacts

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| Jeremy Osborn Town of West Tisbury Water & Wastewater Manager, Martha's Vineyard Airport Available in Subscription | Ron Myrick - LinkedIn Tetra Tech Vice President, Tetra Tech Available in Subscription |
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