Townwide PFAS Risk Assessment Town of Nantucket, MA

Update to the Select Board

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October 28, 2020



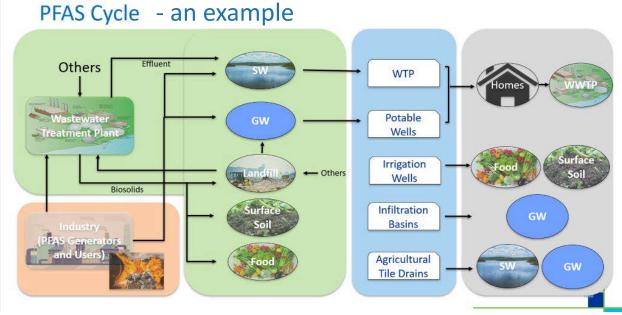
Project Objectives

- Develop a unified PFAS management plan for the Town focused on protecting the groundwater resources of Nantucket, which provide drinking water to residents, visitors, and businesses
- Create a public outreach plan to inform residents and ensure consistent communication
- Long-Term Goal: Develop and implement a PFAS source control and reduction plan to reduce risks associated with PFAS releases into the environment



Project Approach Unique for Nantucket

- Task 1: Descriptive Overview of PFAS What are PFAS?, Regulatory Overview and Current Standards
- Task 2: Identification of Sources and Receptors for Qualitative Risk Evaluation – Obtain an understanding of the PFAS Cycle in Nantucket



Project Approach Unique for Nantucket (cont'd)

- Task 3: Water Quality Review/Assessment – Obtain and review existing laboratory data for drinking water, and other media as available
- Task 4: Report of Findings and Recommendations – Prioritized list of recommended follow-on activities to reduce risks of PFAS to human health and the environment



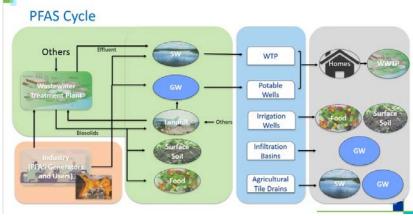


Wellhead Protection Zone II Delineations

Source: <u>https://docs.digital.mass.gov/dataset/massgis-data-massdep-wellhead-protection-areas-zone-ii-zone-ii-iwpa</u>

Accomplishments to Date

- Conducted interviews & data gathering from Town personnel regarding presence/occurrence of PFAS - municipal water, wastewater, landfill, airport, fire department
- Obtained understanding of groundwater protection areas, wastewater discharge / residuals management, landfill compost operations, airport AFFF contamination
- Working to delineate sources and receptors to establish PFAS Cycle specific to Nantucket
- Prioritized components of a Public Outreach Plan which will proceed into development



- Developing recommendations for next steps
- Draft Report expected: November 18th