Improving our understanding of land-applied biosolids and their potential impacts in the Chesapeake Bay Watershed

Ongoing efforts to better understand - research, jurisdictions?

The State of Delaware is conducting a study on PFAS - we have data from 5 WWTPs and data from a study site (soil and groundwater).We could present an overview of the data

Hampton Road Sanitation District study (L Lee and others)

USGS, fish health/PFAS in fish association with nearby biosolids

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Gaps and Needs

MD considering legislation. How valid is use of total fluorine as a screening tool to ascertain whether any particular sample might be rejected for land application? What concentration?

Total Available Organic Fluorine through combustion? Was told that it can be used as a screening tool. DE is reaching out to labs to see if it is feasible.

What percent of total exposure to PFAS comes from biosolids relative to the millions of daily products that are being used and CONSUMED by consumers?

Two gaps seem relevant based on info heard today: What is the variability of total PFAS loadings in wastewater influent?

I would add, and what, if any, controls can be explained (temporal, age, treatment type, population served, etc)?

what is the rainfall contribution to farmland loadings of PFAS compared to occasional biosolids applications.