

EPA Tools & Resources Training Webinar

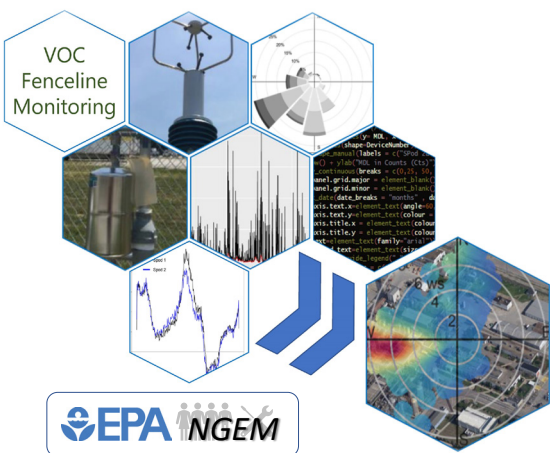
Sensor Pods for Volatile Organic Compound Fenceline Monitoring and Data Analysis

Thursday, December 1, 2022 at 3:00 to 4:00 PM ET

REGISTER HERE

Certificates of attendance are offered!

Communities near industrial facilities can be concerned about local air quality. EPA ORD's Next Generation Emission Measurement (NGEM) program is developing lower cost fenceline Sensor Pods (SPods) with near-source data analysis approaches that enable new forms of air pollution source monitoring. SPods combine wind speed and direction data with volatile organic compound (VOC) concentration measurements to provide real-time information on upwind emission sources. To further characterize emissions and impacts, SPods can trigger canister grab samples for speciated laboratory source fingerprint analysis. Easy to site, solar-powered SPods can help industry, regulators, and communities improve understanding of certain types of industrial source emissions, such as fugitive leaks and process malfunctions.



This webinar will review progress from EPA SPod prototypes to commercially available versions with example field applications. We will describe the best use practices for the SPod, as well as EPA's SPod set up and operation procedures. We will discuss development of an EPA software system called the SENSor NeTwork Intelligent Emissions Locator (SENTINEL). This open-source analysis tool will help users transform SPod fenceline sensor data into quality assured and easily visualized emission source information. Lastly, we outline emerging partnerships with EPA Region 4 (Southeast) and others that will help make these NGEM systems available to various groups.

Who should attend? State and local governments, tribes and others interested in learning more about using emerging fenceline monitoring tools near facilities.

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