SECONDHAND SMOKE MONITOR TIPSHEET

*This is one example of a secondhand smoke monitor that you could use for educational purposes at your property. Developing guidance like this Tipsheet ensures that all staff know how to operate the monitor and interpret the measurements. Compare low-cost options via online vendors to find something that works for you.

This monitor measures secondhand smoke by detecting 'fine particles' in the air. Because tobacco smoke is composed of very fine particles known as $PM_{2.5}$ (particulate matter of 2.5 micrometers and smaller), this device provides a method to detect secondhand smoke in indoor spaces.

Please note that the particles this device detects may not always be specific to secondhand smoke. Other types of smoke and even cooking emissions can produce $PM_{2.5}$. This device is simply intended as a way to confirm possible reports of indoor smoking and should be used with appropriate discretion.

OPERATING THE MONITOR

Air out the monitor
Before using for the first time, take the monitor out of its packing and place in a well-ventilate room for 8 hours.

Turn the monitor on/off
Press and hold the power button for 2 seconds to turn on/off the monitor.

Charging
Use the enclosed USB cord to charge the monitor, when needed.

Placement
Put the monitor in the environment that you would like to test.

Taking a measurement
Select the $PM_{2.5}$ button to take a measurement.

$PM_{2.5}$ button   **Power button**

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INTERPRETING THE MEASUREMENT

Reading the measurement
$PM_{2.5}$ will be displayed at the top of the screen.

Interpreting the measurement

$PM_{2.5}$ Reading	Guide
Less than 15	Good air quality
15 to 25	May reflect smoking in the vicinity
25 to 60	Presents possible health hazard
Over 60	Hazardous levels – avoid sustained exposure

TIPS FOR USE

- Use to assess smoking 'hotspots'
- Help to verify residents' concerns about secondhand smoke
- Show smokers how cigarette smoke affects air quality
- Help to identify problem smoking areas
- Take care to eliminate other possible sources of $PM_{2.5}$ before making conclusions about smoking
- Please be sure that anyone using the device has read and understood this guidance

DISCLAIMERS

- It is strongly recommended that you DO NOT use the monitor for punitive purposes. Rather, it is a tool to help identify problem areas so that you can start to generate solutions to address the problem.
- Other factors like pollution, vehicle emissions, and cooking odors can contribute to the $PM_{2.5}$ measurement.
- The monitor could be impacted by marijuana use; however, it is not validated to measure marijuana smoke.
- The monitor is not an effective tool to detect vaping emissions.