



CITY OF JUNCTION CITY, KANSAS FIRE DEPARTMENT & CODE ENFORCEMENT



Coronavirus, (SARS-CoV-2, COVID-19), VOCs from Fire Fighting and potential Bacteria and Mold are some of the multiple concerns for Fire Departments today. The ongoing and continuous struggle to provide the safest environment in a profession that must manage the most difficult situations is a challenge. With a pandemic occurring and the continuous work to mitigate the VOCs from firefighting and emergency responses the need for tools to respond to these unseen risks is necessary for the safety of personnel.

The Sentinel 300™ system was introduced to me by Ron Wetter of Delta Industrial Service & Supply / Fire & Safety of Port Neches, Texas. This unassuming little box with fans was set up in my office and turned on, within our conservation of the services and equipment provided by Delta the change in the atmosphere in the room was noticeable, the air was “Fresher”.

The research applied to gain more information on the Sentinel 300™ found this system uses the Needlepoint Bipolar Ionization (NPBI) technology. This technology is utilized to neutralize VOCs, Viruses, Bacteria, and Mold. With this technology being available and the simplicity of operation, it was necessary to try a unit to see if it can do “As Advertised”. IT DOES!

The Sentinel 300™ can process a standard office space in 20 to 30 minutes. Junction City Fire Department (JCFD) is utilizing this technology to process areas such as offices, bunk rooms for personnel, Turnout Gear Rooms and in every front-line Apparatus. With this technology the means of processing an area and mitigating the risks are on the side of protecting our most important asset our personnel.

The ease of use and not having a need for consumable items to continue service this is an effective and cost saving means of approach for the JCFD. With the unit on an apparatus the processing of the environment begins there and continues in other areas of the department to assist with mitigation of the environment. As airborne particles are neutralized the improvement in the air reduces our risks for exposure. This reduction in exposure will allow for our personnel to work in a safe and productive manner.

Simple operation and high impact on Firefighter Safety are a win / win for our department and we are pleased with its performance.

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