

# Virtual Technology and Sustainable Sky's Digital Opacity Compliance System Second Generation (DOCS II) Cleaning the Air Through Public Empowerment Spot the Smoke, Next Generation, Citizen Science

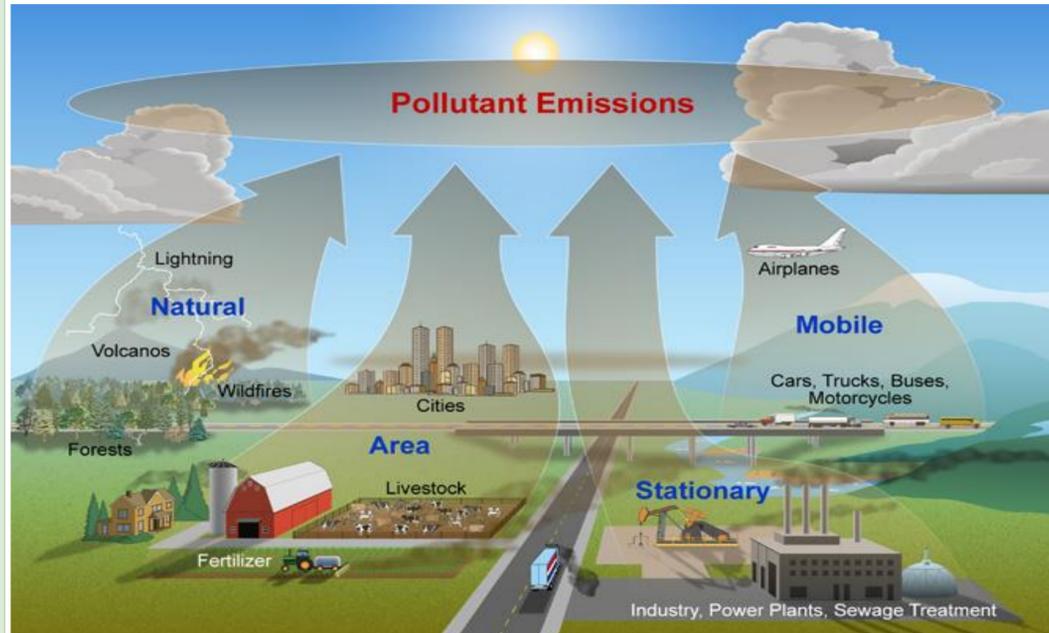


Figure 1; Types of air emission sources

A science that was once restricted to certified personnel is now available to all digital camera owners.

The innovative DOCS II, revolutionized the quantification of pollutant emissions. DOCS II's patented algorithms, enables the amount of air pollution to be determined from common digital imagery. DOCS II interprets the opacity and particulate content from the digital image, which can then be extrapolated into the health effects and environmental impacts of the air pollution.

Gone are the days, of expensive and time consuming expert personnel and laboratories required to determine and quantify pollutant emissions. The DOCS II service provides the ability to determine and quantify the amount of pollution directly from an image. Digital images captured by anyone can be submitted to the online service for an opacity and particulate quantification.

Available for regulatory enforcement, permit compliance, nuisance emissions complaints, and public awareness; the DOCS II family of air pollution determination products are accessible to all digital camera owners. DOCS II is now being offered as a FREE "Spot the Smoke" application. The procedure is exemplified below.

From any: cell phone, iPad, tablet, laptop, or other digital camera you can quantify the health effects and environmental impacts, of air pollutant emissions by simply sending in a photograph of the air emission for analysis. Follow these steps to submit your first observation, from [www.SustainableSkys.org](http://www.SustainableSkys.org)



**Step 1:** Take a picture of pollutant emission & login to Spot the Smoke [www.SustainableSkys.org](http://www.SustainableSkys.org)



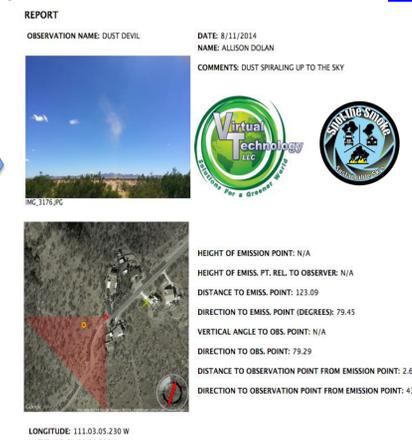
**Step 2:** Allow GPS access & tap the map where the smoke is



**Step 3:** Take or attach a picture of the smoke.

Figure 2; Steps for public submission of digital images of air emission sources

**Step 4:** Submit to generate report of Image, Map and Weather



**Step 5:** Forward email of Report to appropriate NACAA member and/or submit for Opacity value



**Congratulations you raised awareness, the opacity measurement of the pollutant emission is returned to you via email**

[www.SustainableSkys.org](http://www.SustainableSkys.org)