



Clark Seif Clark Environmental Newsletter

www.csceng.com 800.807.1118

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Every day, Clark Seif Clark professionals are deployed across the nation helping both large and small customers resolve health & safety, industrial hygiene, environmental and indoor air quality issues.

At a moment's notice, Clark Seif Clark can send their experts anywhere they are needed. No matter if it's in response to a hurricane, wildfire, flood, tornado or other natural disaster, Clark Seif Clark is ready to help and can respond in no time at all.

California's Rule 1466 to Control Toxic Particulate Emissions from Earth-Moving Operations is in Full Effect

Last July, California's South Coast Air Quality Management District (SCAQMD) adopted Rule 1466 - Control of Particulate Emissions from Soils with Toxic Air Contaminants. The new rule was amended last December before going into effect earlier this year for all applicable earth-moving operations that take place in parts of California regulated by the SCAQMD.

The purpose of Rule 1466 is to minimize the amount of off-site fugitive dust emissions containing toxic air contaminants by reducing particulate emissions in the ambient air as a result of earth-moving activities. These activities include excavating, grading, handling, treating, stockpiling, transferring and removing soil that contains applicable toxic air contaminants from sites that meet the applicability requirements of subdivision.

Under the conditions defined by Rule 1466, air monitoring requirements are now in place. The rule states that when earth-moving activities or vehicular movement occurs, the owner or operator shall conduct continuous direct-reading near real-time ambient monitoring of concentrations of particulate matter 10 micrometers or less in diameter (PM10). If the PM10 concentration averaged over two hours exceeds 25 micrograms per cubic meter,

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the owner or operator shall cease earth-moving activities, apply dust suppressant to fugitive dust sources, or implement other dust control measures as necessary until the PM10 concentration is equal to or less than 25 micrograms per cubic meter averaged over 30 minutes.

"Rule 1466 has now been in full compliance mode for applicable earth-moving operations in California's South Coast Air Basin for several months," said Franco Seif, President at Clark Seif Clark (CSC). "To help companies comply with the new requirements, CSC's engineers and environmental specialists offer consulting services, environmental site assessments, testing for the toxic air contaminants detailed in the new rule, and air monitoring for PM10."

To learn more about the testing and monitoring requirements for Rule 1466 or other environmental, occupational, air quality, health and safety services, please visit www.csceng.com, email csc@csceng.com or call (800) 807-1118.

Identifying Asthma Triggers and Managing the Condition in the Nation's Schools

In 2013, students missed 13.8 million school days due to asthma, making the disease a leading cause of school absenteeism according to the Centers for Disease Control and Prevention (CDC). As recently as 2015, the agency reports that 1 in 12 children had asthma.

Asthma is a long-term, inflammatory disease that causes the airways of the lungs to tighten and constrict, leading to wheezing, breathlessness, chest tightness and coughing. The inflammation also causes the airways of the lungs to become especially sensitive to a variety of asthma triggers. The particular trigger or triggers and the severity of symptoms can differ for each person with the disease.

The U.S. Environmental Protection Agency (EPA) lists the following common asthma triggers that can be found in our nation's schools, they include:

- Cockroaches and other pests
- Mold resulting from moisture in the school
- Dander from animals in the classroom
- Dander brought in on clothing from animals at home
- Cleaning agents, perfumes, pesticides and other sprays
- Ozone
- Particle pollution
- Bus exhaust

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Is It Safe?

- Secondhand smoke
- Dust mites

This potentially life-threatening respiratory disease can be controlled through the proper medical treatment and by managing exposure risks to environmental triggers that can cause an asthma attack . Air monitoring instruments and indoor environmental quality testing can identify the triggers listed by the EPA along with many other known asthma triggers, respiratory irritants and allergens. If detected at elevated concentrations, corrective actions can be taken to mitigate or eliminate exposure concerns to help students manage their asthma while at school or in any built environment. CSC's industrial hygiene and indoor environmental quality professionals offer these important testing and consulting services.

CSC also recently sponsored an educational video about managing asthma in school environments that can be seen here:



To learn more about this or other indoor air quality, environmental, health and safety testing services, please visit www.csceng.com , email csc@csceng.com or call (800) 807-1118.

About Clark Seif Clark: CSC was established in 1989 to help clients in both the public and private sectors address environmental issues. CSC is a leading provider of these services with multiple offices along the western seaboard and southwest. The company believes in science-based protocols and has a strong background in engineering making them the preferred environmental consultants to healthcare facilities, architects, schools, builders, contractors, developers and real estate professionals.