



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.

Seasoned Environmental Expert & Forensic Engineer the Newest Additions to Clark Seif Clark

Clark Seif Clark is pleased to announce that Jeff Bannon, PG and Mike Hennessy are now part of the company's esteemed group of veteran industry professionals. Together, they bring decades of combined environmental consulting, geology and engineering experience to benefit Clark Seif Clark's list of clients.

Mr. Bannon has over 27 years of diversified environmental consulting experience providing services for a wide range of clients, including state, local municipalities and governmental agencies; the federal government (EPA, DOE, DOD, DOI); and commercial and industrial clients. He has lead large, complex field efforts for a wide variety of projects. His responsibilities included all phases of project coordination, project scoping and costing, budget tracking, technical review and client services. Mr. Bannon holds a bachelor's degree in geology from University of Northern Colorado and a master's degree in geology from the University of Southern California.

Mike Hennessy is a graduate Civil-Structural Engineer from Arizona State University. He worked as a Forensic Engineer for several engineering companies in Arizona over the past 5 years. As

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a Forensic Engineer, Mr. Hennessy performed origin and cause determination for structural failures in buildings and other structures as well as evaluated roofing and construction damage claims. He also provided repair recommendations for structural failures, including repair drawings and calculations. Prior to his work as a Forensic Engineer, Mr. Hennessy worked for 2 years as a Structural Engineer. He also provided services as a field and laboratory materials tester for soils, concrete and asphalt. Mr. Hennessy is a licensed EIT in the state of Arizona and is working towards his PE license.

"It is a pleasure to have Jeff and Mike join our growing team at CSC and to be able to offer their expertise to our customers," said Franco Seif, President of Clark Seif Clark. "Their expansive knowledge of environmental compliance, geology and engineering issues allows us to continue to expand our operations while providing our clientele with true experts in the industry. Both gentlemen share our passion for customer service, quality and professionalism that are the hallmarks of CSC. We welcome Jeff and Mike as the newest member of our team and as valuable assets for our clients."

To learn more about Clark Seif Clark and their environmental, engineering, indoor air quality, industrial hygiene or health and safety services, please visit www.csceng.com, email csc@csceng.com or call (800) 807-1118.

Is Your Home, School or Place of Business Suffering from Sick Building Syndrome?

As defined by the U.S. Environmental Protection Agency (EPA), the term "sick building syndrome" (SBS) is used to describe situations in which building occupants experience acute health and comfort effects that appear to be linked to time spent in a building, but no specific illness or cause can be identified. The complaints may be localized in a particular room or zone or may be widespread throughout the building.

As far back as 1984, a World Health Organization Committee report suggested that up to 30% of new and remodeled buildings worldwide may be the subject of excessive complaints related to indoor air quality (IAQ). Often this condition is temporary, but some buildings have long-term problems. Frequently, problems result when a building is operated or maintained in a manner that is inconsistent with its original design or prescribed operating procedures. Sometimes indoor air problems are also a result of poor building design or occupant activities.

According to the EPA, indicators of SBS include:

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Is It Safe?

- Building occupants complaining of symptoms associated with acute discomfort. These could include headaches; eye, nose or throat irritation; dry cough; dry or itchy skin; dizziness and nausea; difficulty in concentrating; fatigue; and sensitivity to odors.
- The cause of the symptoms is not known.
- Most of the complainants report relief soon after leaving the building.

Causes of SBS may include:

- Inadequate ventilation - if enough outdoor air is not allowed into a building, the health and comfort of building occupants can be compromised.
- Chemical contaminants from indoor sources - indoor air pollution can come from sources inside the building. For example, adhesives, carpeting, upholstery, manufactured wood products, copy machines, pesticides and cleaning agents may emit volatile organic compounds (VOCs), including formaldehyde.
- Chemical contaminants from outdoor sources - outdoor air that enters a building can be a source of indoor air pollution. Pollutants from motor vehicle exhaust, plumbing vents and building exhausts can enter the building through poorly located air intake vents, windows and other openings.
- Biological contaminants - bacteria, mold, pollen and viruses are all types of biological contaminants that may be present indoors.

Any number of conditions in a building may act alone or in combination with other elements to cause sick building syndrome. They may even supplement other complaints such as inadequate temperature, humidity or lighting. CSC's building science professionals utilize advanced instrumentation and decades of experience to diagnose and resolve even the most complex SBS cases in all types of buildings.

CSC recently sponsored an educational video about sick building syndrome 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.