



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.

**Employment Opportunity:** *Clark Seif Clark, Inc. is hiring at our Chandler, Arizona office. CSC seeks an Indoor Environmental Professional (IEP)/Industrial Hygienist (IH) with education, experience, and relevant certifications to provide indoor environmental quality (IEQ) and indoor air quality (IAQ) consulting and testing services. To learn more visit [here](#) or contact [timhebert@csceng.com](mailto:timhebert@csceng.com) to submit a resume.*

## Three Construction Workers Lose Their Lives after Entering Manhole

In 2015, the Occupational Safety & Health Administration (OSHA) announced that it had issued a final rule to increase protections for construction workers in confined spaces. The new rule provides construction workers with similar protections to those of employees from other industries who have had them for over 20 years.

Tragically, three workers in Florida lost their lives last month after being exposed to deadly gases in a manhole. The construction workers were involved in a road project when one entered the manhole and was quickly overcome by the gases. Two coworkers attempted a rescue, but both also perished. None of the workers had respirators or gas sensors according to media reports. Several rescue workers responding to the scene also had to be treated for exposure, but are expected to recover. It is believed that the culprit in this incidence was exposure to high levels of methane and hydrogen sulfide.

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**Clark Seif Clark  
(CSC)**

[csc@csceng.com](mailto:csc@csceng.com)  
800.807.1118

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OSHA reports that confined spaces such as these are not designed for continuous occupancy and are difficult to exit in the event of an emergency. People working in confined spaces may face life-threatening hazards that could include toxic substances, electrocutions, explosions and asphyxiation.

"Cases like this happen far too often, they can be prevented if workers are properly trained on the hazards of confined spaces, have the correct personal protective equipment and have access to gas monitoring equipment," said Derrick A. Denis, V.P. of Indoor Environmental Quality (IEQ) at Clark Seif Clark. "The industrial hygiene and air quality experts at CSC help companies prevent tragic incidents like these from occurring. Our staff provides occupational training on health, safety and personal protective equipment, as well as air testing for hazardous fumes and gases."

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

## ADEQ Announces Plans to Test for Lead in 7,000 School Buildings

Last month, the Arizona Department of Environmental Quality (ADEQ) announced the agency was coordinating with multiple state and local agencies, public water systems and public schools to proactively conduct a statewide screening program for the presence of lead in the drinking water of schools. ADEQ is funding this six-month, fast-track screening program in an effort to collect and test 14,000 drinking water samples from 7,000 school buildings across Arizona.

Arizona is just one of many states that have recently begun to scrutinize the drinking water at their schools and other public buildings. The focus is likely the result of numerous media reports that have found elevated levels of lead from water sources in locations nationwide.

According to the U.S. Environmental Protection Agency (EPA), "Although the main sources of exposure to lead are ingesting paint chips and inhaling dust, EPA estimates that 20 percent or more of human exposure to lead may come from lead in drinking water. Infants who consume mostly mixed formula can receive 40 to 60 percent of their exposure to lead from drinking water."

Lead was sometimes used in the past in household plumbing materials or in water service lines to bring water from the main to homes and buildings. A prohibition on lead in plumbing materials has been in effect since 1986. The lead ban states that only "lead free" pipe, solder or flux may be used in the installation or repair of

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**Is It Safe?**

public water systems or any plumbing in a residential or non-residential facility providing water for human consumption, which is connected to a public water system. However, even "lead free" plumbing may contain traces of lead.

Lead is not normally found in source water, rather it ends up in tap water through the corrosion of plumbing materials, and this can be an issue in many homes, schools and other buildings. The EPA reports that the most common problem is with brass or chrome-plated brass faucets and fixtures which can leach a significant amount of lead into the water, especially hot water.

The environmental and building science professionals at CSC provide lead testing and consulting services to identify and mitigate exposure risks from water, indoor environments and other locations where the heavy metal may present. They have also sponsored an educational video about lead in drinking water that can be seen here:



To learn more about lead or other environmental, occupational, indoor air quality, health and safety services, please visit [www.csceng.com](http://www.csceng.com) , email [csc@csceng.com](mailto: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.