



# **COVID-19 Coronavirus Cleaning Services**

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**REMEDICATION · CONSTRUCTION · DEMOLITION · TRANSPORTATION · EMERGENCY RESPONSE**

Contents

COVID-19 Overview ..... 2

    What is coronavirus? ..... 2

    Is this coronavirus different from SARS? ..... 2

    How is COVID-19 spread? ..... 3

    Who is most at risk from the novel coronavirus? ..... 3

    Current state of the outbreak ..... 4

    Your responsibility as a building operator ..... 4

COVID-19 Response: Three Tiers of Protections ..... 5

    Tier One: Precautionary ..... 5

    Tier Two: Possible Exposure ..... 5

    Tier Three: Confirmed Exposure ..... 5

Standard Operating Procedures ..... 6

    Cleaning Agents ..... 6

    Vaporizer Mist Foggers ..... 6

    Biohazard Waste Disposal ..... 6

    Reporting and Documentation ..... 6

    Teams and Training ..... 6

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## American Integrated Services, Inc. – Committed to Our Clients & Communities

COVID-19, commonly known as coronavirus, has been declared a public health emergency as it continues to spread nationally, raising fears over contagion and confusion over appropriate containment strategies. Leveraging more than twenty years of experience developing best-practice decontamination and disinfection protocols, AIS has assembled a COVID-19 Emergency Response Team to assist you in planning for and deploying effective protection against this viral threat.

AIS is a full-service, minority-owned environmental services company specializing in Environmental Construction, Industrial Demolition, Emergency Response, Disaster Response, and Hazardous Clean Up. Founded and incorporated in 1998, AIS has become an industry leader in providing turn-key environmental services and practical solutions that comply with all Regulatory Requirements.

AIS has six strategic office locations and equipment yards stationed throughout California and the Gulf Coast. Our staff of over 350 HAZWOPER certified full-time employees includes a full spectrum of engineers, geologists, scientists, Industrial Hygienists as well as experts in the field of Environmental Cleanups including Biological Hazards (ANTHRAX, HANTA Virus, Ebola), Radiological sites, Trauma Scenes, Homeless Encampments, Drug Labs, Mold, Asbestos, Lead and full facility Decontaminations. Our in-house waste management specialists have extensive experience managing a variety of waste streams, including both solid and liquid, non-hazardous, regulated wastes, RCRA hazardous land-banned/incinerator materials, and TSCA wastes.

All field personnel are trained in accordance with 29 CFR 1910.120 and State of California Title 8 for hazardous waste workers. Our staff also receives additional specialty training throughout the year for various hazards, including current Covid-19 training.

AIS owns over \$30 million dollars in equipment and assets including excavators, loaders, dozers, backhoes, bobcats, shoring hammers and equipment, scissor lifts, gear trucks, multiple supervisor and support vehicles, hazardous certified transportation vehicles (vacuum trucks, roll-off trucks, bob-tails, ten wheelers, drum trucks, flatbeds, end dumps) and over 400 hazardous certified and specialized roll-off bins, emergency response trailers and emergency response vehicles.

Our highly trained and experienced staff, and extensive list of in-house equipment, combined with a commitment to service make it possible for us to provide safe, high quality, and cost-effective services during any difficult response.

AIS has assembled a 24/7 COVID-19 Emergency Response Team to assist you in planning for and deploying effective protection against this viral threat should the need arise.

AIS understands that these are unprecedented and difficult times with constantly changing conditions. Our COVID-19 Team will monitor and communicate with applicable regulators to keep apprised of conditions as they are updated. AIS is and will continue to be committed to protecting the health of its employees, customers, public, and the communities we serve and will be ready to respond as needed throughout this difficult and evolving situation.



David Herrera, President

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## COVID-19 Overview

### What is coronavirus?

Coronaviruses (CoV) are a large family of viruses that cause illness ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS-CoV).

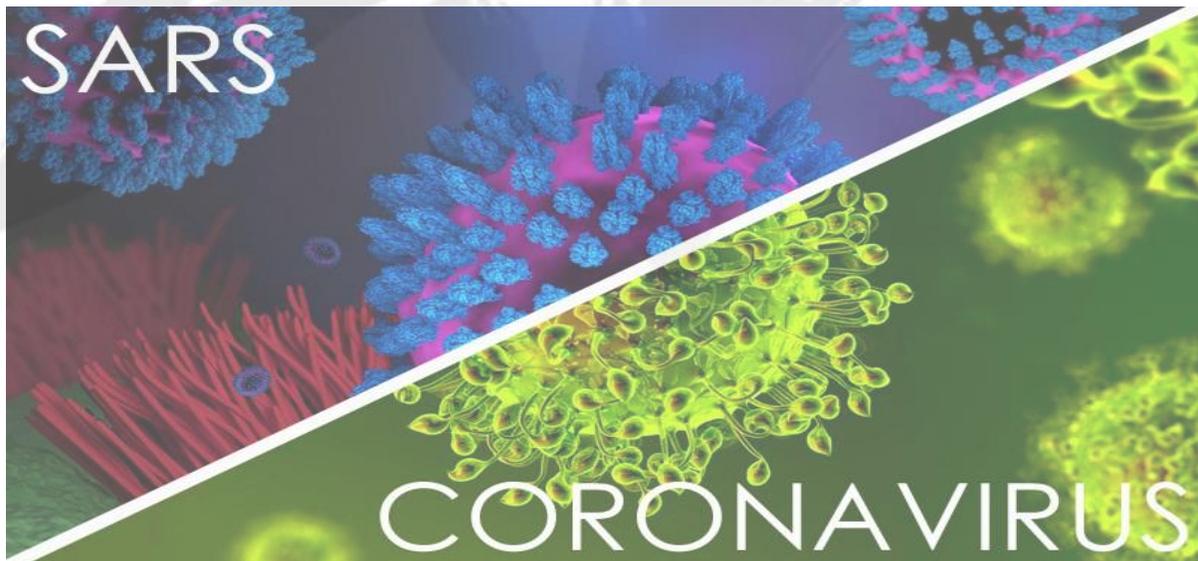
Coronaviruses are zoonotic, meaning they are transmitted between animals and people. Detailed investigations found that SARS-CoV was transmitted from civet cats to humans and MERS-CoV from dromedary camels to humans. Several known coronaviruses are circulating in animals that have not yet infected humans.

Common signs of infection include respiratory symptoms, fever, cough, shortness of breath, and breathing difficulties. In more severe cases, an infection can cause pneumonia, severe acute respiratory syndrome, kidney failure, and even death.

Standard recommendations to prevent infection spread include regular hand washing, covering mouth and nose when coughing and sneezing, thoroughly cooking meat and eggs. Avoid close contact with anyone showing symptoms of respiratory illness such as coughing and sneezing.

### Is this coronavirus different from SARS?

SARS stands for severe acute respiratory syndrome. In 2003, an outbreak of SARS started in China and spread to other countries before ending in 2004. The virus that causes COVID-19 is similar to the one that caused the 2003 SARS outbreak: both are types of coronaviruses. Much is still unknown, but COVID-19 seems to spread faster than the 2003 SARS and also may cause less severe illness.



### How is COVID-19 spread?

The virus that causes COVID-19 most likely emerged from an animal source but is now spreading from person to person. The virus is thought to spread mainly between people who are in close contact with one another (within about 6 feet) through respiratory droplets produced when an infected person coughs or sneezes.

**Surfaces:** It also may be possible that a person can contract COVID-19 by touching a surface or object that has the virus on it and then touching their own mouth, nose, or eyes.

Our current understanding is that COVID-19 can survive on hard surfaces from anywhere between 9 hours and 4-5 days, putting anyone who comes in contact with it at risk of contracting and spreading the infection.

### Who is most at risk from the novel coronavirus?

Nearly everyone in the US will be affected in some way by the COVID-19 pandemic, by stress and anxiety, event closures, or the illness itself.

Different groups of people are more likely to fall into the severe or critical categories than others:

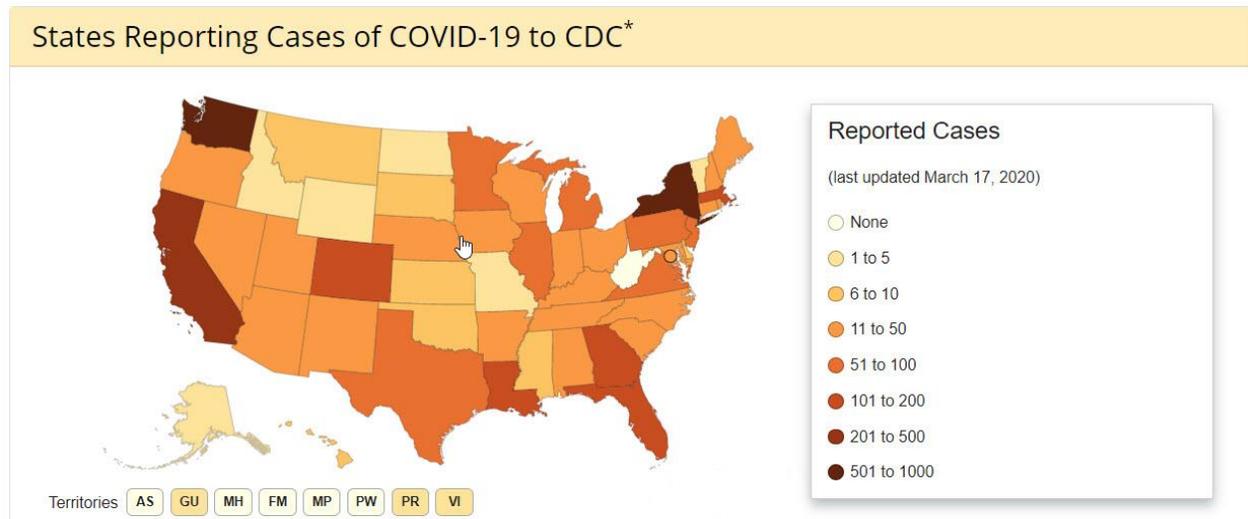
**The elderly:** According to [data](#) collected by the WHO, people who are over the age of 60 are at a higher risk of developing a severe case of COVID-19. The highest death rate is in people above the age of 80. Approximately [15 percent](#) of people in that age group died from the disease in one set of Chinese patients.

**People with chronic conditions:** People who have underlying health conditions including high blood pressure, kidney disease, cancer, or diabetes are also more susceptible to COVID-19. Approximately 9 percent of people with diabetes who contracted the virus died, as did around 8 percent of people with high blood pressure.



Current state of the outbreak

On January 30, 2020, the International Health Regulations Emergency Committee of the World Health Organization declared the outbreak a “public health emergency of international concern.” As of the issuing of this document, there are 150 cases confirmed across 17 states, with 11 deaths reported, and the numbers are rising.



Your responsibility as a building operator

In situations where your company already maintains emergency response and business continuity plans that address public health incidents and pandemics, you should work to enact these plans immediately.

To help contain the spread of COVID-19 and its potential to grow into a pandemic and economic disaster, owners and operators of commercial buildings are encouraged to take appropriate precautionary measures and to mount an effective response if you suspect or have knowledge that your building has been contaminated.

American Integrated Services, Inc. Emergency Response Team has developed three tiers of service to address suspected or confirmed contaminated buildings and/or facilities.



## COVID-19 Response: Three Tiers of Protections

### Tier One: Precautionary

Level one protection is for businesses with no known or confirmed contamination seeking to maintain safe and sanitary environments for customers and employees. Daily or twice-daily disinfection is conducted by AIS's team of trained EHS (environment, health, and safety) certified biohazard cleanup technicians using EPA-registered chlorine or peroxide-based cleaners and providing proper disposal of waste. These treatments can be performed during off-hours to avoid business interruption.

### Tier Two: Possible Exposure

Business or public spaces with suspected exposure (an infected person potentially inside the building or space) require detailed 10-foot down disinfection and deep-clean decontamination performed by AIS's team of EHS (environment, health, and safety) certified biohazard cleanup technicians specially qualified for respiratory cleanup.

### Tier Three: Confirmed Exposure

Businesses or public spaces with confirmed exposure to COVID-19 require customized protocols specific to the site to ensure thorough and proper decontamination. AIS will work with client teams to develop a custom plan that protects the health of their employees, customers, and communities and mitigates the impact on the business operation.

All levels employ the following methods and technologies as appropriate:

- EPA-registered based cleaners or disinfectants.
- Vaporized mist fogger.
- Donning and doffing of personal protection equipment (PPE).
- Proper waste management and disposal procedures.
- Proper decontamination procedures.
- Team health monitoring.

## Standard Operating Procedures

### Cleaning Agents

AIS utilizes EPA-registered based cleaners known to be highly effective against the COVID-19 virus. These products are designed for disinfection of hard, nonporous surfaces and do not leave corrosive residues. These cleaning agents are fragrance and dye-free.

### Vaporizer Mist Foggers

AIS utilizes mist foggers to disperse sanitizing chemicals to disinfect surfaces. Mist foggers use electrostatic spraying to ensure large areas and hard-to-reach corners and crevices are coated and treated with disinfectant. This method is ideal for hidden surfaces and high-touch point areas such as railings, door handles, water fountains, lockers, and other fixtures and furniture found in high-traffic common areas.

### Biohazard Waste Disposal

AIS technicians are trained in the appropriate disposal of biohazard waste. Waste is handled by certified personnel and sent to state-approved facilities to be thermally destroyed in accordance with local and state regulations.

### Reporting and Documentation

AIS teams document site activities in accordance with regulatory guidelines and industry standards. It includes job site photos, daily logs, preliminary assessment reports, safety records, and containment and respirator cartridge changelogs.

The client determines the reporting methodology and frequency early in the planning stage. AIS provides clients with a single point of contact to simplify communication for the project's duration. AIS also remains flexible to adapt to changing conditions or client requirements.

### Teams and Training

Decontamination team members are medically cleared, trained, and tested for respiratory protection device use.<sup>1</sup> Technicians are skilled in the effective application of cleaning products, proper chemical handling, and safety protocols, including the doffing and donning of personal protection equipment (PPE) (e.g., respirators, eye protection, gloves, coveralls) and proper waste disposal techniques.

All crews participate in an annual health-monitoring program to ensure the safety of team members and their communities. AIS teams also coordinate with local health officials to ensure that timely and accurate information guide response operations.