



STRUCTURAL AND CONTAINER FUMIGATION

1-800-332-7805

www.mccloudservices.com

McCloud Services limits your exposure to risk and liability by protecting human health, providing food safety, and protecting your brand.

STRUCTURAL AND CONTAINER FUMIGATION

McCloud Fumigation Programs are designed specifically for your facility to protect human health, provide food safety and brand protection, and eliminate pest infestations. Based on fumigation management planning, our fumigations are designed and performed to limit your exposure to risk and liability. At McCloud Services, safety is our number one priority.

With more than 60 years of experience performing fumigations in food plants, grain facilities, trailers, rail cars, and other structures, McCloud Services has developed a market-leading reputation for providing consistent, reliable, and high quality service to our clients.



Preparation

Preparation of the treatment site will typically be initiated during your normal operations and will not interfere with your processing. The

remaining preparation will be finalized after the plant has formally ceased all normal business activities.

Fumigation Management Plan

McCloud fumigations include fumigation management plans as required. A Fumigation Management Plan (FMP) is an organized, written description of the required steps involved to help ensure a safe, legal, and effective fumigation.

Clearing and Aeration

An aeration and clearing plan will be formulated prior to the introduction of the fumigant. Your McCloud licensed fumigator will test fumigated spaces using suitable clearance devices for all on site fumigations. Only when levels are within the accepted range, will the fumigated site or conveyance be returned to your control.



PROTECTING THE HEALTH AND SAFETY OF OUR CLIENTS, THEIR EMPLOYEES AND CUSTOMERS



Monitoring

After release of the fumigant, the interior areas will be monitored remotely using read lines to draw gas samples outside to our Fumiscope monitoring device. This allows the licensed fumigators to ensure the proper dosage is being delivered throughout the structure and achieve the desired level of control. Our Standard Operating Procedures (SOP's) call for concentration readings to be taken once/hour to provide the fumigation team the most accurate information possible.



Committed to your safety and the environment

In order to protect the health and safety of our clients, their employees and customers, and the integrity of our client's brands, McCloud Services strives to lessen the negative impact on the environment arising from our business activities and to encourage an ecological mindset within our staff. We emphasize the need for our people to wisely use resources by training them in proper use and disposal of environmentally sensitive materials, in conjunction with minimizing the overall use of these materials in our operations, giving equal consideration to the material's impact on:

- The safety of the people effected by it
- The efficacy
- The environment

McCloud Services assures leadership in environmental care by operating in compliance with applicable safety and environmental regulations and laws, and by exceeding regulatory requirements in both degree and timing wherever possible.

FUMIGANTS

- **Sulfuryl Fluoride (PROFUME®)**

PROFUME® offers effective, reliable stored product pest control that fits with operational needs. It is packaged in cylinders as a liquid under pressure. PROFUME® is non-flammable, non-corrosive as a gas, odorless, and has a high vapor pressure. It quickly penetrates the fumigated area, is effective against a variety of stored product pests, and dissipates rapidly during aeration. The active ingredient in PROFUME® gas fumigant is sulfuryl fluoride. Sulfuryl fluoride disrupts the glycolysis and citric acid cycles within cells throughout the insect body, thereby depriving insects of the necessary energy for survival. It controls all life stages of target insects. Precision Fumigation™ techniques enable customization for each application situation.

- **Phosphine fumigants: Magnesium Phosphide (Magtoxin®), Aluminum Phosphide (Phostoxin®) and Cylinderized Phosphine (ECO2FUME®)**

Phosphine fumigants are packaged in solid and cylinderized formulations to match a variety of needs. The cylinderized form, ECO2FUME®, offers reduced disposal concerns which may occur with solid phosphine formulations. The solid phosphine fumigants have long been a fumigant of choice for rail transportation of bulk commodities and bin fumigations. All phosphine fumigants can cause corrosion of precious metals and therefore are typically not advised for areas containing sensitive computer equipment, controls, or in any situation where metal corrosion is of serious concern.

- **Cylinderized Phosphine (ECO2FUME®)**

ECO2FUME® fumigant gas is a non-flammable, pre-mixed, cylinderized mixture of phosphine and carbon dioxide, which provides highly effective fumigation in both sealed and unsealed storage facilities. ECO2FUME® fumigant gas is a gaseous mixture of 2% phosphine (by weight) in carbon dioxide. Carbon dioxide is an excellent carrier for phosphine and diluting phosphine to this concentration ensures ECO2FUME® is nonflammable in all proportions with air. ECO2FUME® fumigant gas can be used in a wide variety of applications to attain insect-free and dust-free products. ECO2FUME® has the unique ability to allow fumigation of a variety of storage facilities. ECO2FUME® can be used to control a variety of stored product pests. In most cases ECO2FUME® can be dispensed from outside the storage facility enabling more effective concentration control with improved worker safety. ECO2FUME® is registered for a wide range of agricultural commodities, processed foods, non-food items in structures, and transportation equipment.

- **Solid Phosphine Products: Magnesium Phosphide and Aluminum Phosphide**

(Magtoxin®, Phostoxin®, and Fumi-Cel/Strip®)

Magnesium and aluminum phosphide are solid phosphine formulations. The material may be packaged as pellets, plates, or sachets. The phosphine gas is liberated when the solid fumigants are exposed to the moisture in the air. Typical exposure times can range from several days to weeks, depending on the type of formulation used, type of commodity, and commodity temperature. These products are labeled for a wide range of commodities and sites. They are most often used for the fumigation of bulk commodities in bins, silos, or transportation equipment.

- **Methyl bromide**

Methyl bromide can be used for eliminating pests in stored commodities, structures, or shipments that must meet agricultural quarantine regulations. Introduced in the 1930's, methyl bromide has been the fumigant of choice for many due to its broad labeling, impressive penetration characteristics, protection it provides to food products and packaging, while controlling mice, rats, and all life stages of insects including eggs. Due to international phase out of methyl bromide, there may be issues with availability based on reduced stocks and need for critical use or quarantine justification.



Locations

McCloud Corporate Headquarters - 800-332-7805

Schaumburg, Illinois - 800-222-4798

Alsip, Illinois - 800-421-6437

Chicago, Illinois - 877-305-1951

QuadCities - 800-772-1956

Pekin, Illinois - 800-269-3223

Decatur, Illinois - 800-428-0026

St. Louis, Missouri - 800-733-5735

Nashville, Tennessee - 800-525-2671

Louisville, Kentucky - 800-525-2671

Indianapolis, Indiana - 800-352-2315

Kansas City, Missouri - 800-231-8660