



FUMIGATION MANAGEMENT PLAN TEMPLATE

Aluminum Phosphide fumigant products are Restricted Use Pesticides (RUP) and as such require that application be performed by or under the direct supervision of a certified applicator.

The use of aluminum phosphide fumigants is strictly prohibited on single family and multi-family residential properties and nursing homes, schools (except athletic fields), daycare facilities and hospitals. (See applicator manual for list of approved sites).

REQUIREMENTS:

The certified applicator is responsible for developing a site specific Fumigation Management Plan (FMP) prior to fumigation applications. A FMP must exist for each fumigation.

The FMP template is provided as a guide for preparation under the required plan. The FMP template must be completed for every treatment.

Before a FMP is developed, the product pesticide label and applicator manual must be carefully read and reviewed. The application must follow all label directions and follow any restrictions noted in these documents. In the event of any conflict between the label and the FMP, the label directions will apply. In addition, the applicator must be familiar with and comply with applicable federal, state and local regulations.

The FMP must be kept on file for a minimum of 2 years or longer as directed by State record keeping requirements.

The FMP is to be reviewed each year and when necessary modified to reflect any necessary changes. Alternately, a new FMP can be created for each calendar year.

Maintain a record which clearly identifies the specific FMP relied on for each fumigation performed for the customer at the facility; e.g. fumigation of grain while loading, railcar fumigations, fumigation of empty bins, etc.

FUMIGATION MANAGEMENT PLAN

Company Name and Address:

Facility Description:

Fumigation Type:

FUMIGATION SITE INFORMATION

Facility Owner/Manager:

Name _____
Daytime Phone _____
Evening Phone _____
Mobile Phone _____

Description (building, railyard, dock, etc.) and site address:

If fumigation site is within a larger building, describe the specific location of where the fumigation will take place:

Identify areas recently constructed or remodeled at this site:

APPLICATOR INFORMATION

Certified Applicator (Fumigator) in charge:

Name _____

Certification # _____

Daytime Phone _____

Evening Phone _____

Mobile Phone _____

EMERGENCY CONTACT INFORMATION

Hospital Name _____

Hospital Emergency Number _____

Fire Department Number _____

Police Department Number _____

Ambulance Contact Number _____

Poison Control Number: 866-673-6671

Confirm that local authorities have been notified and there is a procedure for notification of local residents in the event of an emergency.

FUMIGATION TYPE

WHEN MULTIPLE FUMIGATIONS ARE BEING CONDUCTED A SEPARATE FMP MUST BE DEVELOPED FOR EACH TYPE

_____ Space (specify)

Food Processing Plant

Feed Plant

Mill

Warehouse

Other (describe) _____

_____ Vertical Storage

_____ Flat Storage

_____ Tarpaulin

_____ Spot (includes grain handling equipment, empty tanks and empty silos within a building)

_____ Chamber

_____ Vehicle (specify)

Railcar*

Trailer

Ocean Container

_____ Vessel (specify)

Ship

Barge

*For railcars only – Attach a written document for notification to receiver of in-transit railcar(s) under fumigation.

- ☐ Date of notification
- ☐ Contact person notified
- ☐ Receiver trained to properly receive, open, aerate and test fumigated railcars

Yes

No

BUILDING INFORMATION

Construction:

☐ Steel
☐ Brick
☐ Concrete
☐ Masonry brick
☐ Wood
☐ Other (describe) _____

☐ Yes ☐ No Free standing
☐ Yes ☐ No Connected to another building which may be occupied during fumigation
☐ Yes ☐ No Fumigation area is within a larger building or complex of buildings which may be occupied during fumigation
☐ Yes ☐ No Fumigation area has areas which have silos, tanks or other vertical storage with enclosed sites at the top and bottom, which may be occupied during fumigation

SITE CONTROL

When the site is attached or adjacent to a building not scheduled for fumigation, or adjacent to a portion of a building not scheduled for fumigation, identify what controls will be utilized to ensure that persons are not exposed to fumigant levels above the STEL. (Check all that apply.)

☐ Connections will be sealed off using polyethylene sheeting, tape, etc.

☐ Gas readings will be taken at the start of each work shift in occupied adjacent and / or connected areas

☐ Gas readings will be taken in adjacent and / or connected areas at intervals of ____ hours while adjacent areas are occupied

☐ A plan is in place for opening windows, adding fans, etc. if gas levels approach STEL at any time (provide details)

_____ Continuous electronic monitoring of gas levels will be conducted by means of (provide detail on device)

_____ Supply workers with phosphine gas detecting badges

_____ Other

Attach a drawing of the site showing: location of doors and all potential entryways, location of water sources, location of adjacent areas not scheduled for fumigation, and nearby buildings and / or occupied areas.



FUMIGATION COMMODITY INFORMATION

Describe the commodity that is intended for fumigation.

_____ Raw Agriculture:

_____ Processed Food:

_____ Feed:

_____ Non-Food/Feed:

Condition of commodity – indicate if infested, moldy or out of condition _____

Volume occupied by commodity _____ cu.ft **OR**
_____ bu

Mode of storage _____

Previous treatment history of commodity/site:

EXPOSURE TIME CONSIDERATIONS

Fumigant to be used _____

Commodity temperature _____ °F _____ °C

Minimum fumigant exposure at measured temperature _____ hours

Fumigation to start on _____ (day and time)

Downtime required (include time needed for sealing, fumigation exposure period, aeration and testing)

_____ (time) on _____, _____ (day and time) through _____

(time) on _____, _____ (day and time).

Commodity moisture _____ %

Deactivation method planned (describe):

DOSAGE CONSIDERATIONS

Refer to product label and applicator manual for allowed ranges of dosage.

Cubic footage to be fumigated _____ cu.ft **OR**
_____ bu

Labeled rate _____ /1,000 cu.ft **OR**
_____ /1,000 bu

Amount of product required:

Pellets _____, or flasks _____, or cases _____

Tablets _____, or flasks _____, or cases _____

SEALING

Describe the site specific sealing requirements (include information on materials required to seal all doors, windows, openings to outside, adjacent areas or attached to area to be fumigated:

SAFETY MEASURES

Identify the safety measures that will be taken (include security measures)

- ☐ Placarding (which meets placarding information requirements) of all entryways to the fumigation site (i.e. doors, hatches, ladders, etc.)
 - ☐ Safety “boots” or “clamshells” on doors to which unauthorized personnel may have keys
 - ☐ Fumigation conducted in secure yard, fenced and locked against unauthorized entry
 - ☐ Guard on duty
 - ☐ Other (describe):
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MONITORING

☐ Fumigation levels will be monitored at the following intervals: _____ hours

☐ The device used for monitoring fumigation levels will be (specify):

☐ Fumigation levels will not be measured due to past experience have indicated that monitoring is not necessary

FUMIGATION SITE PLAN

Plan for opening/aeration of fumigated site.

Aeration schedule: date _____, start time _____ am/pm

Measures that will be in place to ensure no exposure during fumigation and after to employees, bystanders or other persons are described below: If incompletely aerated commodity is transferred to a new storage structure, the new structure must also be placarded if it contains more than 0.3 ppm or if the concentration of residual gas is unknown. Worker exposure during this transfer must not exceed allowable limits.

Railcar fumigation:

Written confirmation is attached from the receiver of the fumigated railcar(s) to perform required aeration and monitoring.

Deactivation:

Dry deactivation (for approved dry deactivation set-up as defined in the applicator manual)

Wet deactivation (see applicators manual for instructions)

Disposal:

Describe the plan for disposal of the deactivated spent fumigant (see applicator manual for instructions).

Clean Up:

Provide plans for additional clean up and preparation of site/or commodity for release:

The information contained herein is provided as a guidance for the preparation of the Fumigation Management Plan (FMP) required prior to any fumigation. It is not intended to be inclusive of or replacement for applicable Federal, State or local requirements. Douglas Products shall not be liable for technical or editorial error or omissions contained herein. The information in this document is provided as is without warranty of any kind, whether express or implied, concerning the accuracy, completeness, reliability or suitability of the information and is subject to change without notice. Any warranties involving Douglas Products pesticide products are set forth in the express limited warranty statements accompanying such products. Nothing herein should be construed as constituting an additional warranty.