



SOUTH AFRICAN PEST CONTROL ASSOCIATION
SUID-AFRIKAANSE PLAAGBEHEERVERENIGING

SAPCA

STANDARD OPERATING PROCEDURE

SOP Title:	Fumigation of Warehouses and Stacks	SOP Number:	03
Issued by:	SAPCA	Date Issued:	July 2019

This Standard Operating Procedure (SOP) provides guidelines for Fumigation of Warehouses and Stacks

SITE/LOCATION:.....

WORK DESCRIPTION:PREPARE AND FUMIGATE THE WAREHOUSE OR STACK

BASIC STEPS	SAFETY STEPS	CRITICAL STEPS	STEPS FOLLOWED		
			YES	NO	N/A
1. Authority to operate	<ul style="list-style-type: none"> Received formal training Authority to operate in writing 				
2. Pre-planning	<ul style="list-style-type: none"> Ensure required PPE is available and in good condition. (head protection, face protection, respirator. hand protection, ear protection, feet protection. Check the air movement within the silo and make sure that it is safe to entre 	<ul style="list-style-type: none"> If air flow is to efficient fans are to be put off. Have people move out of the area where ULV spraying is to take place. No persons to come closer than 3metres to any stack being fumigated. All stock of raw materials are to be taken out prior to the fumigation. 			
3. Have job plan approved by plant/environmental manager.	<ul style="list-style-type: none"> Obtain approval. 	<ul style="list-style-type: none"> Factory manager to endorse action plan. 			

4. Discuss proposed job steps with the team.	<ul style="list-style-type: none"> • Ensure that all steps are covered. 	<ul style="list-style-type: none"> • Ensure proficient supervision will be available. 			
5. <i>Arrival on site.</i>	<ul style="list-style-type: none"> • <i>Check that all points are covered as per planning</i> • <i>Remove fire extinguisher and first aid kit.</i> • <i>Offload equipment and place in a safe locality.</i> 	<ul style="list-style-type: none"> • <i>Inspect area to be worked in and make it safe</i> • <i>Establish a safe and fire protection plan</i> • <i>Ensure no persons are in the building.</i> 			
6. Fumigation of stack	<ul style="list-style-type: none"> • Prepare the stack for the fumigation. • Make sure the ground area is adequate for fumigation • Prepare the stack so that tarpaulins are not damaged. • Cover stack with tarpaulins and seal the base with sand snakes and / or tape. 	<ul style="list-style-type: none"> • Area is suitable for fumigation. • No activity next to the fumigated stack. 			
7. Remove equipment and prepare for fumigation	<ul style="list-style-type: none"> • Ensure all equipment is removed. • Seal up the basement doors and secure the area • Place the fumigation sachets under the tarpaulin. 	<ul style="list-style-type: none"> • Remove and check that all equipment is accounted for • Place danger tape and demarcate the area • Place danger signs 			
8. Completion of the task.	<ul style="list-style-type: none"> • Commence to secure the area from all persons • Put on the gas masks and proceed to the area • Remove the seals and open • If needed, create a ventilation system using fans • Test for gas concentrations • Ensure gas free • Clean and pack equipment. 	<ul style="list-style-type: none"> • Put on the gas masks • Clear area from unauthorised persons • Place ventilation fans • Ensure all tools, equipment and litter is picked up. • Equipment is clean. 			
9. Leaving the site.	<ul style="list-style-type: none"> • Leave the work site debris free. 	Sign off with management			

