



SOUTH AFRICAN PEST CONTROL ASSOCIATION  
SUID-AFRIKAANSE PLAAGBEHEERVERENIGING

# SAPCA

## STANDARD OPERATING PROCEDURE

<b>SOP Title:</b>	Fumigation of Warehouses and Stacks	<b>SOP Number:</b>	03
<b>Issued by:</b>	SAPCA	<b>Date Issued:</b>	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"> <li>Received formal training</li> <li>Authority to operate in writing</li> </ul>				
2. Pre-planning	<ul style="list-style-type: none"> <li>Ensure required PPE is available and in good condition. (head protection, face protection, respirator. hand protection, ear protection, feet protection.</li> <li>Check the air movement within the silo and make sure that it is safe to entre</li> </ul>	<ul style="list-style-type: none"> <li>If air flow is to efficient fans are to be put off.</li> <li>Have people move out of the area where ULV spraying is to take place.</li> <li>No persons to come closer than 3metres to any stack being fumigated.</li> <li>All stock of raw materials are to be taken out prior to the fumigation.</li> </ul>			
3. Have job plan approved by plant/environmental manager.	<ul style="list-style-type: none"> <li>Obtain approval.</li> </ul>	<ul style="list-style-type: none"> <li>Factory manager to endorse action plan.</li> </ul>			

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

