WORK IN A CONTAMINATED/FLAMMABLE ATMOSPHERE

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| **PCBU Address:** Lot 3, Redlynch Connector Road, Redlynch 4870  **Job Title:**  **Site Address:** | | | | **Date:**  **Page:** 1 of 4 **SWMS No:** 25 | | **New**  **Revised** |
| **Principal:** | | **Supervisor:** Ian Loccisano | | **Approved by:** Ian Loccisano | | |
| **NOTE:** This safe work method statement is generic & risk assessment is required to determine the exact nature & level of contaminant in order to develop this SWMS further. The exact nature of ant potential hazards from a contaminated or explosive atmosphere cannot be confirmed until immediately prior to entry. Atmospheric monitoring undertaken prior to the entry must be treated as indicative only as conditions may change without notice. | | | | | | |
| **NOTE:** It is not the intent of this safe work method statement to replace the need for confined space entry requirements if the circumstances of the entry meet the definition of a confined space as described in AS 2865. Areas which may meet the requirements of this SWMS include on or above ground work on: fuel tank farms, service station sites, refuse tips with methane present, chemical or radioactive sites such as processing plants for minerals & heavy metals where entry into an enclosed area is not required. | | | | | | |
| **Required Personal Protective Equipment:** Intrinsically safe fans, respirators & other PPE as applicable to the contaminant in the atmosphere as defines by risk assessment and relevant MSDS. | | | | | | |
| TASK | **POTENTIAL HAZARDS** | | **ACTION OR PROCEDURE** | | **RESPONSIBILITY** | |
| Work in an area that has a contaminated or explosive atmosphere which is not a confined space | All hazards | | Risk assessment undertaken to identify nature & level of potential contaminants & to include results of preliminary atmospheric monitoring | | Supervisor | |
| Where possible, MSDS for contaminants obtained & used to determine PPE, engineering controls & other procedures that may be required | | Supervisor | |

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| TASK | **POTENTIAL HAZARDS** | **ACTION OR PROCEDURE** | **RESPONSIBILITY** |
| Work in an area that has a contaminated or explosive atmosphere which is not a confined space | All hazards | All persons instructed in use of intrinsically safe fans, respirators & other PPE as may be required for the potential contaminant. Portable fire fighting equipment will also be required if potential for explosive or flammable atmosphere exists | Supervisor |
| Engineering controls & procedures developed & promulgated | Supervisor |
| Decontamination, evacuation & emergency procedures promulgated | Supervisor |
| Daily periodical monitoring of activity | Supervisor |
| Injury or illness from contaminated or explosive atmosphere | Continuous atmospheric monitoring undertaken to determine if safe to enter | Supervisor |
| If atmospheric testing indicates an atmosphere which is contaminated or explosive, vent for a minimum of 15 minutes and if practicable purge with fresh air via an intrinsically safe blower fan until atmosphere readings normalise | Supervisor |
| If unable to normalize the atmosphere, the area is to be treated as a confined space & refer to SWMS for Confined Space. If atmosphere normalizes proceed in accordance with this SWMS | Supervisor |
| TASK | **POTENTIAL HAZARDS** | **ACTION OR PROCEDURE** | **RESPONSIBILITY** |
| Work in an area that has a contaminated or explosive atmosphere which is not a confined space | Explosion from explosive atmosphere | Where practicable use intrinsically safe blower fans to maintain a safe atmosphere | User |
| If undertaking hot work use a Hot Work Permit | User |
| Wear PPE appropriate for the contaminated atmosphere & the hot work activity | User |
| Injury or illness from contaminated atmosphere | Where practicable use intrinsically safe blower fans to maintain a safe atmosphere | User |
| Wear PPE appropriate to the contaminant in the atmosphere before purging | User |
| All hazards during entry | Standby person available at all times to monitor & record entry/activity/exit | Supervisor |
| Continuous atmospheric monitoring undertaken whilst entry is effected to confirm contaminants remain purged or that no contaminants are generated or released due to work activities | User |
| Requirements of hot work permit, if applicable are complied with | User |
| Persons unaccounted for | Conduct & record a head count on exit from area | Standby person |

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| TASK | **POTENTIAL HAZARDS** | **ACTION OR PROCEDURE** | **RESPONSIBILITY** |
| Work in an area that has a contaminated or explosive atmosphere which is not a confined space | Contaminated equipment, PPE & clothing | Equipment, PPE & clothing which has been exposed to contamination is washed separately or appropriately disposed of at the end of the activity | Supervisor |

Risk assessment based on all procedures being in place

**Risk Assessment Matrix**



**Likelihood:** Very unlikely **Consequences:** Minor **Risk score:** 7