

- Lead evacuees to a safe assembly area free of danger from after shocks.

20. POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN (PIRMP)

This section is designed to meet the requirements of the Protection of the Environment Legislation Amendment Act 2011 (POELA Act), while utilizing the broader aspects of the emergency response procedures.

20.1. Hazardous Chemicals Manifest

Refer to the Kings Park – Hazardous Chemicals Manifest available in the Emergency Information box located North West of the site adjacent to the Fire Mains isolation point.



20.2 Description and Likelihood of hazards

This plant mixes packages and stores a range of products used as adhesives and sealants; and their raw materials. Many materials are water based or based on sand /cement. There are some quantities of flammable liquids.

The facility is generally recognized as having six sections:

- The office and laboratory
- The Packing area (PG01)
- Rear Warehouse (FG01)
- Flammable Liquids store (FG02)
- Front Warehouse (FG03)
- Consumer Warehouse (FG04)

Potential hazards include:

- the spillage of chemicals stored on site listed in Section 1.
- the potential failure of bonded collection areas leading to a spill extending beyond the boundaries of the facility.
- Fire in flammable liquid store
- Fire in other buildings.

The nature and quantities of the material stored is not considered to constitute a risk to the health of the occupants of the residential area that is mainly 200 meters to the east of the facility. Residential areas in the other directions are buffered by the Kings Park industrial area.

Similarly, there is a low risk of a spill contaminating Breakfast Creek to the south of the property or its contributory to the west. This is due to the nature and low quantities of the materials; spill avoidance measures in place; spill control measures in place; and fire and other safety measures.

Neighbouring facilities are not considered to utilize materials or operations likely to initiate or compound a pollution incident at the Bostik site.

The following analysis summarizes the likelihood, consequences and risk (*See tables*):

Summary Table of Likelihood, Consequences and Risk (Hazard Assumptions)

Hazard	Area Affected	Estimated Duration of Event	Protection of Off Site / Local Community that may be required	Measures taken to control or limit the consequences	Emergency Services Advice	Response Procedure
Class 3 Minor Quantities Spill Flammable Vapour	50m radius	2 hours	None required. No offsite impact anticipated.	<ul style="list-style-type: none"> • Competency attainment and review • Preventative Maintenance. • Site condition checklist • Spill kits • Hydrants and hoses reels • Fire extinguishers • Induction, assimilation and training 	Disperse vapours' with water spray if required.	<ul style="list-style-type: none"> • AB.C Spill (Release) – Class 3 Flammable Liquid • ABC.C Spill (Release) – Class 9 Environmentally Hazardous Substances – includes C1/C2 combustible liquids
Natural Gas	Natural Gas in flow area	Will extinguish when pipeline supply is isolated.	May involve stopping traffic	<ul style="list-style-type: none"> • Competency attainment and review • Process alarms and trips • Preventative Maintenance • Site condition checklist • Site wide emergency break glass alarms • Hydrants and hoses reels • Fire extinguishers • Induction, assimilation and training 	Disperse gas with water spray if required.	<ul style="list-style-type: none"> • AB.C Release of Flammable Gas
Fire (Class A) Wood, Cloth, Paper, Rubber	Offices, laboratory, warehouses, production area	1 hour	No off site impact anticipated	<ul style="list-style-type: none"> • Competency attainment and review • Early notification • Preventative Maintenance • Site condition checklist • Site wide emergency break glass alarms • Hydrants and hoses reels • Fire extinguishers • Induction, assimilation and training 	Situational	Section 10 of the Emergency Response Procedure
Fire (Class E) Electrical	Switchboards, power boards	10 minutes	No off site impact anticipated	<ul style="list-style-type: none"> • Competency attainment and review • Preventative Maintenance • Site condition checklist 	Situational	Section 10 of the Emergency Response Procedure

				<ul style="list-style-type: none"> • Site wide emergency break glass alarms • Hydrants and hoses reels • Fire extinguishers • Induction, assimilation and training 		
Fire (Building)	Internal/External		Smoke plumes may be toxic and effect nearby residents	<ul style="list-style-type: none"> • Competency attainment and review • Preventative Maintenance • Site condition checklist • Site wide emergency break glass alarms • Hydrants and hoses reels • Fire extinguishers • Induction, assimilation and training 	Situational	Section 10 of the Emergency Response Procedure
Spills Class 9 - Environmentally Hazardous Substance Class 8 – Corrosive Substances	10m radius	Situational	None required. No offsite impact anticipated.	<ul style="list-style-type: none"> • Competency attainment and review • Spill Kits • Site condition checklist • Induction, assimilation and training 	Situational	<ul style="list-style-type: none"> • ABC.C Spill (Release) – Class 9 Environmentally Hazardous Substances – includes C1/C2 combustible liquids • AB.C Spill (Release) – Class 8 Corrosive Substances

20.3 Pre-emptive actions to minimise or prevent incidents

The immediate areas external; to the Consumer Warehouse (Compressors, etc) drain to a containment pit. Water and any contaminants are pumped out and disposed of commercially when levels approach three quarters full.



This Consumer Warehouse is sloped to drain to the center of the building. The pits there are isolated from other further drainage. Further bunding is provided to isolate the Flammable Liquids.

Powder spills are prevented in the fill towers with a series of measures to prevent over filling, safety cut off valves on the trucks to prevent spills from the filling pipes. Powder spills would be contained within the building of Front Warehouse / Powders Plant.

Spill control kits are provided throughout the facility.



The facility is protected by a sprinkler system and a water deluge system in the Flammable Liquid Store.



This system is equipped with water tanks to augment the mains water supply.

