

APPENDIX 5
ENVIRONMENTAL RISK ASSESSMENT

Accidents

Source-Pathway-Receptor Hypothetical Model				Assessing the Risk		
Source of Pollution	Receptor	Pathway	Risk Management Techniques	Likelihood of Exposure	Consequence of Exposure	Overall Risk
<i>Accident:</i> Failure in containment of solvent storage tank and associated equipment (valves, pipes etc.).	Ground	Over Installation surfaces; and, through Installation drainage systems.	All pumps and pipework are located within containers, providing sealed containment (bundling).	Very Low	High	Low
	Groundwater		All storage tanks are provided with secondary containment providing 110% of the capacity of the primary storage container.			
	Surface Water		Containers are located on a concrete hardstanding which is sloped. Drainage for the concrete hardstanding will be served by an interceptor and a shut-off valve to provide tertiary containment in the event of a spillage.			
<i>Accident:</i> Spillage during delivery (e.g. pipe rupture, tanker rupture,	Ground	Over Installation surfaces; and, through Installation drainage systems.	All deliveries of solvents are attended to identify any issues during delivery.	Very Low	Medium	Low
	Groundwater		All deliveries of solvents take place in areas of the installation, which are covered by concrete. A containment area for two trucks will be present in the			

<p>connection fault etc.)</p>	<p><i>Surface Water</i></p>		<p>south of the facility and the area will follow a slope. An ACO type drain trench will be installed around the containment area. The trench drain will be sloped to a retention sump equipped with a cover hatch, to allow the immersion of a portable pump to pump out any spilled liquid.</p> <p>Between the retention sump and the connection to the main foul sewer water drainage pipe will be an electro-valve which will be closed during loading operations.</p> <p>Spill kits (including drain covers) will be provided in refuelling areas.</p> <p>The Operator will establish formal spill response procedures as part of the environmental management system.</p>			
<p><i>Accident:</i> Flooding potential to impact drainage system and generators.</p>	<p><i>Surface Water</i></p>	<p>Through flood water, over surfaces & through Installation drainage systems discharging to ground via soakaway.</p>	<p>All solvent storage tanks are located internally in the south of the facility within a bulk storage area. The tanks are located within a containment wall.</p> <p>Metal and concrete construction of the tanks, connective pipework and containment infrastructure, so that there is minimal risk of water damage leading to spillage in a single flooding event.</p> <p>The Facility is not located in an area of elevated flood risk, so probability of a flood occurrence is very low.</p>	<p>Very Low</p>	<p>High</p>	<p>Low</p>

SITE CONDITION REPORT
 Ball Packaging KETTERING SITE

<p><i>Accidents (Fire):</i> Fire and arson attacks</p>	<p><i>Humans including: workers/ visitors present at the Installation; workers / occupants / visitors on adjacent premises; local residents; intermittent presence on pedestrian routes / roadways surrounding the Installation.</i></p> <p><i>Ground</i></p> <p><i>Groundwater</i></p> <p><i>Surface water</i></p>	<p>Over Installation surfaces; through the air; and, through Installation drainage systems.</p>	<p>A perimeter fence is present along the site boundary and all access points are secured with gates, which will only open for authorised personnel.</p> <p>CCTV is present covering all external areas of the Installation.</p> <p>A Security team is present at the site on a permanent basis. Regular site surveillance walks are undertaken by the security team.</p> <p>The solvent containers and fill points are kept locked.</p> <p>The tanks are located internally.</p>	<p>Very Low</p>	<p>High</p>	<p>Low</p>
<p><i>Accidents (Vandalism):</i> Damage / theft</p>	<p><i>Surface Water</i></p> <p><i>Atmosphere</i></p>	<p>Over Installation surfaces; through the air; and,</p>	<p>CCTV covers the site, which is secured by fencing and turnstile type gates with authorised access only.</p>	<p>Very Low</p>	<p>Medium</p>	<p>Low</p>

SITE CONDITION REPORT

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of externally located equipment / tanks	<i>Ground</i> <i>Groundwater</i>	through Installation drainage systems.	The site is operational 24-hours a day, with security personnel on-site at all times monitoring CCTV and patrolling the site and specifically perimeter, which prevent security breaches.		
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