

## ENVIRONMENTAL ASPECTS AND IMPACTS REGISTER

<u>Area/Activity</u>	<u>Aspect</u>	<u>Environmental Impact</u>	<u>Risk Rating</u>	<u>Significant Impact</u>	<u>Legal Requirement</u>	<u>Objectives and Targets</u>	<u>Controls</u>
<ul style="list-style-type: none"> <li>Office Kitchens</li> <li>Bathrooms</li> <li>Manufacturing</li> <li>Kitchens</li> <li>Testing Products</li> <li>On site</li> </ul>	<b><u>Water Usage:</u></b>	Reduce Natural Resources	Likelihood: 4 Consequence: 1  (Moderate)	Yes	<ul style="list-style-type: none"> <li>EPA</li> <li>NSW Government office of Water</li> <li>Protection of Environmental Operations Act 1997</li> </ul>	<ul style="list-style-type: none"> <li>Reduction of water usage throughout the office and factory.</li> </ul> <p style="text-align: center;"><i>Refer to Improvement Plan</i></p>	
<ul style="list-style-type: none"> <li>Office – Computers, office equipment, lighting, air conditioner</li> <li>Manufacturing Plant/Equipment</li> <li>On site</li> </ul>	<b><u>Electricity Usage</u></b>	Generates Greenhouse Gases	Likelihood: 4 Consequence: 1/2  (Moderate/High)	Yes	<ul style="list-style-type: none"> <li>EPA</li> <li>Australian Government Department of Resources, Energy and Tourism</li> </ul>	<ul style="list-style-type: none"> <li>Reduction of electricity used throughout the office and factory.</li> </ul> <p style="text-align: center;"><i>Refer to improvement Plan</i></p>	<ul style="list-style-type: none"> <li>Turn off computers daily</li> <li>Turn off equipment, lights and air conditioners at end of day.</li> </ul>
<ul style="list-style-type: none"> <li>Washing trucks</li> <li>Washing out the floor</li> <li>Washing out the tankers</li> </ul>	<b><u>Waste:</u></b> General Waste/Handling Storm Water	<ul style="list-style-type: none"> <li>Waste to Landfill</li> <li>Use of Recycled Paper: Conservations for Natural Resources</li> </ul>	Likelihood: 4 Consequence: 3  (high)	Yes	<ul style="list-style-type: none"> <li>National Waste Policy               <ul style="list-style-type: none"> <li>EPA</li> </ul> </li> <li>Protection of the Environmental Operations Act 1997</li> </ul>	<ul style="list-style-type: none"> <li>Reduction of waste throughout the office and factory.</li> </ul> <p style="text-align: center;"><i>- Refer to improvement plan</i></p>	<ul style="list-style-type: none"> <li>Recycling parts, products and packaging.</li> <li>Recycling materials – metals, cardboards and timber.</li> <li>Send containers back once finished using them (where possible)</li> </ul>

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<ul style="list-style-type: none"> <li>• Cleaning Products</li> <li>• All areas of Production</li> </ul>	<ul style="list-style-type: none"> <li>• Chemical Usage</li> </ul>	<ul style="list-style-type: none"> <li>• Pollution of Airways</li> <li>• Soil and Ground Waste Contamination</li> </ul>	Likelihood: 3 Consequence: 3  (High)	Yes	<ul style="list-style-type: none"> <li>• Codes of Practice – Managing Hazardous Chemicals</li> <li>• WHS Act 2011</li> <li>• WHS Regulation 2011</li> </ul>	N/A	<ul style="list-style-type: none"> <li>• Correct Storage of chemicals</li> <li>• Correct Labelling of chemicals</li> <li>• Providing Safety Data Sheets (SDS)</li> </ul>
<ul style="list-style-type: none"> <li>• Service Technicians – Transport</li> </ul>	<ul style="list-style-type: none"> <li>• Fuel usage for service technicians</li> </ul>	Air Pollution	Likelihood: 4 Consequence: 1 / 2  (Moderate/High)	Yes	<ul style="list-style-type: none"> <li>• Australian Government Department of Infrastructure and Transport</li> <li>• EPA</li> </ul>	- To ensure engine performance though servicing vehicles.	<ul style="list-style-type: none"> <li>• Regularly servicing vehicles.</li> </ul>
<ul style="list-style-type: none"> <li>• On Site</li> </ul>	<ul style="list-style-type: none"> <li>• Redundant fuel tanks</li> </ul>	Soil and Ground Waste Contamination	Likelihood: 1 Consequence: 1  (Low)	No	<ul style="list-style-type: none"> <li>• EPA</li> </ul>	- Minimise soil contamination	<ul style="list-style-type: none"> <li>• Fill with water</li> <li>• Remove</li> </ul>
<ul style="list-style-type: none"> <li>• On Site</li> </ul>	<ul style="list-style-type: none"> <li>• Water pit</li> </ul>	Soil and Ground Waste Contamination	Likelihood: 1 Consequence: 1  (Low)	No	<ul style="list-style-type: none"> <li>• EPA</li> <li>• WHS Act 2011</li> <li>• WHS Regulation 2011</li> </ul>	- Minimise soil contamination	<ul style="list-style-type: none"> <li>• Fill with water</li> <li>• Remove</li> </ul>
<ul style="list-style-type: none"> <li>• On Site</li> </ul>	<ul style="list-style-type: none"> <li>• External drainage system</li> </ul>	Soil and Ground Waste Contamination	Likelihood: 2 Consequence: 2  (Low)	Yes	<ul style="list-style-type: none"> <li>• EPA</li> <li>• WHS Act 2011</li> <li>• WHS Regulation 2011</li> </ul>	- Minimise soil contamination	<ul style="list-style-type: none"> <li>• Audit through workplace inspections and external provider</li> <li>• Housekeeping</li> </ul>

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			Consequences				
			1 – Insignificant	2 – Minor	3 – Moderate	4 – Major	5 – Catastrophic
<b>Likelihood</b>	<b>5-</b>	<b>Almost certain to occur in most circumstances</b>	High (H)	High (H)	Extreme (X)	Extreme (X)	Extreme (X)
	<b>4 -</b>	<b>Likely to occur frequently</b>	Moderate (M)	High (H)	High (H)	Extreme (X)	Extreme (X)
	<b>3 -</b>	<b>Possible and likely to occur at some time</b>	Low (L)	Moderate(M)	High (H)	Extreme (X)	Extreme (X)
	<b>2 -</b>	<b>Unlikely to occur but could happen</b>	Low (L)	Low (L)	Moderate(M)	High (H)	Extreme (X)

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	1 -	May occur but only in rare and exceptional circumstances	Low (L)	Low (L)	Moderate (M)	High (H)	High (H)
<b>Extreme (7 or Greater)</b>	Act immediately to mitigate the risk. Either eliminate, substitute or implement engineering control measures. <i>Long term environmental damage (5+ years)</i>			Remove the hazard at the source. An identified extreme risk does not allow scope for the use of administrative controls or PPE , even in the short term.			

**RISK RATING TABLE:**

**Injury/Environmental Risk Rating:**

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<p><b>High (6 or 7)</b></p>	<p>Act immediately to mitigate the risk. Either eliminate, substitute or implement engineering control measures. If these controls are not immediately accessible, set a timeframe for their implementation and establish interim risk reduction strategies for the period of the set timeframe. <i>Medium term environmental damage</i></p>	<p>An achievable timeframe must be established to ensure that elimination, substitution or engineering controls are implemented. <b>NOTE:</b> Risk (and not cost) must be the primary consideration in determining the timeframe. A timeframe of greater than 6 months would generally not be acceptable for any hazard identified as high risk.</p>
<p><b>Medium (5)</b></p>	<p>Take reasonable steps to mitigate the risk. Until elimination, substitution or engineering controls can be implemented, institute administrative or personal protective equipment controls. These “lower level” controls must not be considered permanent solutions. The time for which they are established must be based on risk. At the end of the time, if the risk has not been addressed by elimination, substitution or engineering controls a further risk assessment must be undertaken. <i>Short Term environmental damage</i></p>	<p><b>Interim measures until permanent solutions can be implemented:</b></p> <ul style="list-style-type: none"> <li>• Develop administrative controls to limit the use or access.</li> <li>• Provide supervision and specific training related to the issue of concern.</li> </ul>
<p><b>Low (&lt; 5)</b></p>	<p>Take reasonable steps to mitigate and monitor the risk. Institute permanent controls in the long term. Permanent controls may be administrative in nature if the hazard has low frequency, rare likelihood and insignificant consequence. <i>Environmental Damage which can be corrected.</i></p>	