

# **LISTERIA MONOCYTOGENES** **Examples of PREVENTATIVE MEASURES**

<p><b>ANIMALS, FEED &amp; HOUSING</b></p>	<p>Cows that</p> <ul style="list-style-type: none"> <li>-like lying half in guttering and not on their bedding</li> <li>-lie in mud</li> <li>-have wet, muddy, wrinkly or warty udders</li> <li>-who wade into ponds or rivers to drink</li> <li>-may harbour (carry) the organism (intracellular- inside leukocytes)</li> <li>-Wet soiled bedding</li> <li>-Silage with soil contamination.</li> <li>-Wet windy weather increases incidence</li> </ul>
<p><b>MILKING EQUIP &amp; BULK TANK</b></p>	<ul style="list-style-type: none"> <li>-Floor splashes into low level outlet pipe connections or changing impellers in pumps.</li> <li>-Contaminated flexi hoses</li> <li>-General or floor utensils used inside tank</li> <li>-Clusters on floor- most dairies have retractable types</li> <li>-Inadequate CIP temperatures, chemical dilutions and contact time</li> <li>-Tank lids open- condensation drips in</li> <li>-Harboured in vacuum seals &amp; perished rubber joints</li> <li>-Cracked tank jackets</li> <li>-Some farmers use the milk from the immediate previous milking or just morning milk only</li> </ul>
<p><b>Bottle Filler or Vending machine cleaning/assembly</b></p> <p><b>ENVIRONMENTAL</b></p> <p><b>PERSONNEL PRACTICES</b></p>	<p>Increased risk with wet windy weather blowing into area.</p> <p>Backed up drains or flooding.</p> <p>Cracks in floor or wall/floor junctions –Rain seeping down walls behind plastic panelling.</p> <p>Sink waste emptying on floor.</p> <p>Chiller condensate on floor.</p> <p>Keep milk as chilled as possible to reduce growth, but the aim is to be <i>Listeria</i> free.</p> <p>Bottle cleaning without adequate temperature, detergent or contact time.</p> <p>Using dairy equipment to wash cars at weekend.</p> <p>Buckets and other equip placed on milk contact surfaces, or</p> <p>Using different colour coded buckets, brushes, spanners, etc for retail milk contact.</p> <p>Dragging wet hoses over cleaned milk contact surfaces.</p> <p>Consider dedicated gloves and aprons for this operation</p> <p>Cleaned equipment stored on floor, handled then milk contact surfaces touched.</p> <p>Staff toilet or drain cleaning rota.</p> <p>Pressure hose use: this aerosols the contamination and can cause a problem- not recommended.</p> <p>Using utensils for personal weekend use eg washing the van or car.</p>