

Table 5 - Risk Management Plan

Pollution Hazard	Risk Factors	Outcome	Likelihood/Consequence (Rating)	Pre-emptive Actions	Reference	Likelihood/Consequence Post control (Rating)	Incidence Response Actions	Reference
<b>(1) ENVIRONMENTAL</b> <b>(a) Discharge of Liquid Pollutants Off site</b>	Rupture/failure of milk storage tanks	Contamination of adjacent land and/or waterways	Possible/major (Significant)	Routine inspection included in Site checklist  Scheduled maintenance servicing of pump and pump connections  Standby pump and service parts available  Creation of and maintenance of bunded storage areas	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Major (Moderate)	SOP Appendix 6 & 9	SOP within the PIRMP
	Rupture/failure of wastewater storage tanks	Contamination of adjacent land and/or waterways	Possible/Major (Significant)	Routine inspection included in Site checklist  Scheduled maintenance servicing of pump and pump connections  Standby pump and service parts available  Creation of and maintenance of bunded storage areas	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Major (Moderate)	SOP Appendix 6 & 9	SOP within the PIRMP

Pollution Hazard	Risk Factors	Outcome	Likelihood/Consequence (Rating)	Pre-emptive Actions	Reference	Likelihood/Consequence Post control (Rating)	Incidence Response Actions	Reference
	Rupture/failure of overhead pump line	Contamination of adjacent land and/or waterways	Possible/Major (Significant)	<p>Routine inspection included in Site checklist</p> <p>Scheduled maintenance servicing of pump and pump connections</p> <p>Standby pump and service parts available</p> <p>Creation of and maintenance of bunded storage areas</p>	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Major (Moderate)	SOP Appendix 6 & 9	SOP within the PIRMP
	Rupture of Boiler	Contamination of adjacent land and/or waterways	Possible/Moderate (Moderate)	<p>Routine inspection included in Site checklist</p> <p>Scheduled maintenance servicing of pump and pump connections</p> <p>Standby pump and service parts available</p> <p>Creation of and maintenance of bunded storage areas</p>	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Major (Moderate)	SOP Appendix 6 & 9	SOP within the PIRMP

Pollution Hazard	Risk Factors	Outcome	Likelihood/Consequence (Rating)	Pre-emptive Actions	Reference	Likelihood/Consequence Post control (Rating)	Incidence Response Actions	Reference
	Rupture/failure of Milk/wastewater pump lines	Contamination of adjacent land and/or waterways	Possible/Major (Significant)	Routine inspection included in Site checklist  Scheduled maintenance servicing of pump and pump connections  Standby pump and service parts available	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Major (Moderate)	SOP Appendix 6 & 9	SOP within the PIRMP
	Failure of Containment systems	Contamination of adjacent land and/or waterways	Possible/Major (Significant)	Routine inspection included in Site checklist  Scheduled maintenance servicing of pump and pump connections  Standby pump and service parts available	Inspection checklist as provided in Appendix 18 of the PIRMP  Contractor's EMP	Rare/Major (Moderate)	SOP Appendix 6, 7 & 9	SOP within the PIRMP
	Contamination of the surface water management system	Contamination of adjacent land and/or waterways	Possible/Major (Significant)	Routine inspection in site checklist to ensure suitable management procedures including bund separation at active tipping area	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Major (Moderate)	SOP Appendix 6, 7 & 9	SOP within the PIRMP
<b>(b) Combustion</b>	Fire in Waste storage areas	Combustion creates smoke and fire hazard.	Possible/Moderate (Moderate)	Inspection of all storage areas require in EMP checklist	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Moderate (Low)	SOP Appendix 10	SOP within the PIRMP

Pollution Hazard	Risk Factors	Outcome	Likelihood/Consequence (Rating)	Pre-emptive Actions	Reference	Likelihood/Consequence Post control (Rating)	Incidence Response Actions	Reference
	Fire in Buildings	Combustion creates smoke and fire hazard. Deep seated fire difficult to extinguish	Possible/Moderate (Moderate)	Inspection of all building areas required in site check list Site secured at close of day	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Moderate (Low)	SOP Appendix 10	SOP within the PIRMP
	Fire in Vehicles	Combustion creates smoke and fire hazard. Property damage.	Possible/Moderate (Moderate)	Regular Inspection of all vehicles as indicated in Site checklist	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Moderate (Low)	SOP Appendix 10	SOP within the PIRMP
<b>(c) Chemical Spills</b>	Chemical Spill from ruptured or leaking storage containers	Soil contamination  Creation of volatile fumes Explosion/fire	Possible/Major (Significant)	Retain minimum quantities on site  Separation areas between stored chemicals  Creation of bunded storage areas	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Moderate (Low)	SOP Appendix 11 & 13	SOP within the PIRMP
	Incompatible chemicals cross contamination in storage areas	Explosion/fire	Possible/Major (Significant)	Retain minimum quantities on site  Separation areas between stored chemicals  Creation of bunded storage areas	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Moderate (Low)	SOP Appendix 11, 12 & 13	SOP within the PIRMP

Pollution Hazard	Risk Factors	Outcome	Likelihood/Consequence (Rating)	Pre-emptive Actions	Reference	Likelihood/Consequence Post control (Rating)	Incidence Response Actions	Reference
	Leakage from incoming loads	Soil contamination  Contamination of adjacent land and/or waterways	Possible/Major (Significant)	Inspection of all incoming loads as required in Site checklist	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Moderate (Low)	SOP Appendix 11 &13	SOP within the PIRMP
<b>(d) Oil/ Fuel Spillage</b>	Rupture of fuel containers or storage tanks	Soil contamination  Creation of volatile fumes  Explosion/fire	Possible/Major (Significant)	Retain minimum quantities on site  Creation of bunded storage areas	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Moderate (Low)	SOP Appendix 11 &13	SOP within the PIRMP
	Rupture of mobile plant hydraulic lines	Soil contamination  Contamination of adjacent land and/or waterways	Possible/Major (Significant)	Staff training in waste placement and compaction techniques. Routine plant servicing	Staff training records	Rare/Moderate (Moderate)	SOP Appendix 11 &13	SOP within the PIRMP
<b>(e) Dust</b>	Dust migrating off site	Complaints to EPA	Possible/Moderate (Moderate)	Wet down unsealed trafficable areas when required	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Minor (Low)	SOP appendix 14	SOP within the PIRMP

Pollution Hazard	Risk Factors	Outcome	Likelihood/ Consequence (Rating)	Pre-emptive Actions	Reference	Likelihood/ Consequence Post control (Rating)	Incidence Response Actions	Reference
<b>(f) Gas Leak or Explosion</b>	Rupture/failure of gas storage tanks	Fire/gas emissions	Possible/mode rate (Moderate)	Inspection of all storage areas required in site checklist  Restricting unauthorized access to area.  Minimizing potential for direct vehicle contact with tanks	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Moderate (Low)	SOP appendix 17	SOP within the PIRMP
<b>(g) Odour</b>	Offensive odour	Complaints to EPA  Complaints to local council	Possible/mode rate (Moderate)	Inspection of all wastewater and treatment areas as required in Site checklist.  Management of wastewater treatment systems in accordance with best practice	Inspection checklist as provided in Appendix 18 of the PIRMP	Rare/Minor (Low)	SOP appendix 15	SOP within the PIRMP
<b>(h) COMPLIANCE (a) Incident Reporting</b>	Non-compliance with statutory reporting	Cautionary Notice  PIN	Unlikely / Moderate	Prepare reports as required	Reporting protocols included in Site checklist. Appendix 18	Rare /Moderate (Low)	SOP Appendix 5	SOP within the PIRMP

Pollution Hazard	Risk Factors	Outcome	Likelihood/ Consequence (Rating)	Pre-emptive Actions	Reference	Likelihood/ Consequence Post control (Rating)	Incidence Response Actions	Reference
<b>(i) WORKPLACE HEALTH AND SAFETY</b>	Personal injury to staff, contractors, general public attending the facility	Trauma Lost time Rehabilitation Compensation	Likely/major	Regular tool box meetings with staff and contractors  Safe Work Method Statements prepared and implemented  Risk assessments undertaken  Safety plans developed for major works  Staff training  Job and site specific orientation for new staff, visitors and contractors  Independent audit of all systems of work  Emergency and evacuation plans prepared and tested	Established tool box meeting protocols  Contractors Health, Safety and Environment plan  Contractors Health, Safety and Environment plan  Contractors Health, Safety and Environment plan  SOP Appendix 5	Unlikely/moderate (Moderate)		SOP within the PIRMP

**REAL DAIRY AUSTRALIA WAUCHOPE FACTORY (PRIMP INSPECTION REQUIREMENTS)**

Date:		Inspected by:				Satisfactory Y/N	Action Taken	Comments
Issue	Inspection Frequency and Acknowledgement							
	Weekly	Week 1	Week 2	Week 3	Week 4			
Perimeter fence line secure and intact								
Wastewater collection sumps and grated drains - empty and not blocked. Free from debris.	Monthly / After rain							
Wastewater and milk pumps and sumps operational	Daily	Week 1	Week 2	Week 3	Week 4			
Milk storage tank bunds - no signs of bridging/structural damage	Quarterly							
Milk storage tanks - intact no signs of rupture or deterioration	Weekly	Week 1	Week 2	Week 3	Week 4			
Waste water and milk drainage lines and discharge lines in place, intact and secure	Weekly	Week 1	Week 2	Week 3	Week 4			
Wastewater storage tanks – intact no signs of rupture or deterioration	Weekly	Week 1	Week 2	Week 3	Week 4			
Evidence of wastewater spill/leak	Daily	Week 1	Week 2	Week 3	Week 4			



Evidence of milk/products spill/ leak	Daily	Week 1	Week 2	Week 3	Week 4			
Waste water storage tanks bunds- no signs of bridging/structural damage	Monthly							
Milk overhead transfer line between milk and cheese factories	Daily	Week 1	Week 2	Week 3	Week 4			
Condition and Functionality of stormwater infrastructure. Sound	Monthly/ After rain							
Signs of dust generation around perimeter of site	Weekly	Week 1	Week 2	Week 3	Week 4			
Surface of hardstand areas intact/repairs or rectification required.	Monthly							
Record of Incidents up to date	Weekly	Week 1	Week 2	Week 3	Week 4			
Emergency spill kit on site and fully stocked	Weekly	Week 1	Week 2	Week 3	Week 4			
Chemicals and hazardous materials properly stored	Daily	Week 1	Week 2	Week 3	Week 4			
Good Housekeeping – site tidy	Daily	Week 1	Week 2	Week 3	Week 4			
Test dousing shower and eye wash	Weekly	Week 1	Week 2	Week 3	Week 4			
Fire Extinguisher and hose reel in place and tags current	Weekly	Week 1	Week 2	Week 3	Week 4			

Solid waste storage bin lids closed at end of day	Daily	Week 1	Week 2	Week 3	Week 4			
Gas storage tanks intact – no sign of leaks/ ruptures	Daily	Week 1	Week 2	Week 3	Week 4			
Chemical stored satisfactorily	Weekly	Week 1	Week 2	Week 3	Week 4			
Fuel containers and fuel storage – secured/ not leaking/ properly sealed / banded	Weekly	Week 1	Week 2	Week 3	Week 4			
Gas Bottles are stored in accordance with work cover and EPA requirements	Daily	Week 1	Week 2	Week 3	Week 4			
Excessive Odours not present	Daily	Week 1	Week 2	Week 3	Week 4			
All required signage for emergency response equipment and evacuation in place and appropriate	Weekly	Week 1	Week 2	Week 3	Week 4			
Fire hose available and tags current	Monthly							
Fire extinguishers available and tags current	Monthly							
Pillar hydrant available and tags current	Monthly							
Fire Alarm system operational	Monthly							
Conditions of EPA license for facility being met	Quarterly							



Interview with staff site personnel ensure an understanding of the PIRMP requirements are satisfactory	Annually							
Review of non-conformance reports, inspection checklist.	Annually							
Identification and implementation of any improvements to the operation of the facility which will improve the management of pollution incidents	Annually							

Confirmed by Technical Officer

Satisfactory

Unsatisfactory



Verified by the Factory Manager

Satisfactory

Unsatisfactory



Date: