



# Environment Monitoring Report

**January 2014**

EPA Licence number: 1511

PO Box 123  
Bega NSW 2550  
Australia  
Reception Ph: +61-2-6491 7777  
Environment Line Ph: +61-2-6491 7691

Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency	
Air	EPA 12-Air emissions monitoring, back up boiler PPU				0.35 g/m3	Yearly	
		Lab report number					
		Sampled date					
		Lab received date					
		Report received date					
	<b>Summary</b>		Testing is conducted yearly and is not required this month				
	EPA 22-Air emissions monitoring, main boiler PPU					0.35 g/m3	Yearly
		Lab report number					
		Sampled date					
		Lab received date					
Report received date							
<b>Summary</b>		Testing is conducted yearly and is not required this month					



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency	
Air	EPA 24 - Air emissions monitoring, gas boiler stack DPU				0.35 g/m3	Yearly	
		Lab report number					
		Sampled date					
		Lab received date					
		Report received date					
	<b>Summary</b>		Testing is conducted yearly and is not required this month				
	EPA 7- Air emissions monitoring, DPU boiler Stack					0.25 g/m3	Yearly
		Lab report number					
		Sampled date					
		Lab received date					
Report received date							
<b>Summary</b>		Testing is conducted yearly and is not required this month					



**BEGA CHEESE**  
SINCE 1899

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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Air	EPA 8-Air emissions monitoring, Whey plant stack DPU				0.25 g/m3	Special frequency 2
		Lab report number	N044849			
		Sampled date				
		Lab received date				
		Report received date				
<p><b><u>Summary</u></b> Testing is conducted yearly and is not required this month</p>						



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Noise	L3.2 - Noise emissions during night time (10pm to 7am) at the most affected residential property				LA10(15 minutes) 45dB (A)	Yearly
		Lab report number				
		Sampled date				
		Report received date				
		<b>Summary</b> Testing is conducted yearly and is not required this month				
Noise	L3.3 - Noise emissions during day time at the most affected residential property				LA1(15 minute) 53 dB (A)	Yearly
		Lab report number				
		Sampled date				
		Report received date				
		<b>Summary</b> Testing is conducted yearly and is not required this month				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency	
Water & Land	EPA 1 – Volume monitoring from DPU to utilisation areas - The Ranch, Wet Weather Storage Dam, Angeldale Apps Farm West, Apps Farm East, Apps Flat, Rockleigh, Ubrihien & Factory Flats				none	Daily	
		Irrigation Days	31				
		Volume (Average)	1395	kL/day			
		Volume (Min-Max)	1070 - 1640	kL/day			
		Sampled date	31/01/2014				
	<b><u>Summary</u></b>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	5	mg/L			
		Conductivity	1600	µS/cm			
		Nitrate	0.04	mg/L			
PH		6.4					
Lab report number		N044852					
Sampled date		23/01/2014					
Lab received date		24/01/2014					
Report received date		31/01/2014					
<b><u>Summary</u></b>							



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 25 - 'Control' Groundwater monitoring point at corner of Daisy Hill & Buckajo Rd				none	Quarterly
		Conductivity	940	µS/cm		
		Depth	2.40	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.71	mg/L		
		Phosphorus (total)	0.47	mg/L		
		PH	6.8			
		Available phosphorus	0.02	mg/L		
		Lab report number	N044849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<b><u>Summary</u></b>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 26 - Groundwater monitoring point at 'The Ranch' fenceline				none	Quarterly
		Conductivity	1000	µS/cm		
		Depth	3.95	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.35	mg/L		
		Phosphorus (total)	0.15	mg/L		
		PH	6.6			
		Available phosphorus	0.15	mg/L		
		Lab report number	N044849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<b><u>Summary</u></b>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 27 - Groundwater monitoring point at Bega River crossing, Factory Flats				none	Quarterly
		Conductivity	1100	µS/cm		
		Depth	4.70	m		
		Nitrate	1.7	mg/L		
		Nitrogen (total)	2.2	mg/L		
		Phosphorus (total)	0.04	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N044849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<b><u>Summary</u></b>				





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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 28 - Groundwater monitoring point at Apps Farm near bridge				none	Quarterly
		Conductivity	1300	µS/cm		
		Depth	4.90	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	2.1	mg/L		
		Phosphorus (total)	0.18	mg/L		
		PH	6.7			
		Available phosphorus	0.18	mg/L		
		Lab report number	N044849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<b><u>Summary</u></b>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 29 - Groundwater monitoring point at Apps Farm, east river flats				none	Quarterly
		Conductivity	1100	µS/cm		
		Depth	5.90	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.91	mg/L		
		Phosphorus (total)	0.34	mg/L		
		PH	6.7			
		Available phosphorus	0.34	mg/L		
		Lab report number	N0444849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<b><u>Summary</u></b>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 30 - Groundwater monitoring point at Apps/Ubrihien farm south				none	Quarterly
		Conductivity	230	µS/cm		
		Depth	5.80	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	1.1	mg/L		
		Phosphorus (total)	0.08	mg/L		
		PH	6.6			
		Available phosphorus	0.005	mg/L		
		Lab report number	N044849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<b><u>Summary</u></b>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 31 - 'Control' Groundwater monitoring point at Ubrihien farm west				none	Quarterly
		Conductivity	910	µS/cm		
		Depth	6.20	m		
		Nitrate	1.4	mg/L		
		Nitrogen (total)	1.8	mg/L		
		Phosphorus (total)	0.14	mg/L		
		PH	6.3			
		Available phosphorus	0.004	mg/L		
		Lab report number	N044849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<b><u>Summary</u></b>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 5-Effluent quality monitoring, DPU holding tanks 1 & 2				none	Monthly
		Biochemical oxygen demand	1900	mg/L		
		Conductivity	2594	µS/cm		
		Faecal coliforms	12000000	cfu/100 ml		
		Nitrate	1	mg/L		
		Nitrogen (total)	110	mg/L		
		Phosphorus (total)	41	mg/L		
		Sodium	540	mg/L		
		Sodium adsorption ratio	16			
		Total suspended solids	660	mg/L		
		PH	5.53			
		Lab report number	N045051			
		Sampled date	31/01/2014			
		Lab received date	5/02/2014			
Report received date	17/02/2014					
<b>Summary</b>						



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 6-Effluent quality & discharge volume monitoring from WWSD holding tank to utilisation areas 'The Ranch' and 'Grevillea'				none	Special frequency 1
		Biochemical oxygen demand	300	mg/L		
		Conductivity	2200	µS/cm		
		Faecal coliforms	10000	cfu/100 ml		
		Nitrate	1	mg/L		
		Nitrogen (total)	84	mg/L		
		Phosphorus (total)	25	mg/L		
		Sodium	230	mg/L		
		Sodium adsorption ratio	8.2			
		Total suspended solids	320	mg/L		
		PH	7.5			
		Irrigation Days	25			
		Volume (Average)	1406	kL/day		
		Volume (Min-Max)	1070 - 1602	kL/day		
		Lab report number	N044987			
		Sampled date	28/01/2014			
		Lab received date	29/01/2014			
		Report received date	12/02/2014			
<b><u>Summary</u></b>						



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## Glossary

Abbreviation	Description
DPU	Dairy Processing Unit, Lagoon St
Lab	Laboratory
PPU	Processing & Packaging Plant, Ridge St
special frequency 1	Monthly sampling during discharge from point 6 during any month that discharge occurs
special frequency 2	Annual sampling of two samples: sample 1 collected no more than 1 hour before the stack is washed, and sample 2 collected no more than 1 hour after the stack is washed.
WWSD	Wet weather storage dam