



Environment Monitoring Report

October 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					
	Summary		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							
Summary		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					
	Summary		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							
Summary		Testing is conducted yearly and is not required this month					



BEGA CHEESE
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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				
		Sampled date				
		Lab received date				
		Report received date				
<p><u>Summary</u> 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 <u>Summary</u> 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 <u>Summary</u> 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)	1507	kL/day			
		Volume (Min-Max)	1245 - 1805	kL/day			
		Sampled date	31/10/2014				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	5	mg/L			
		Conductivity	1200	µS/cm			
		Nitrate	0.01	mg/L			
PH		6.4					
Lab report number		N049478					
Sampled date		9/10/2014					
Lab received date		10/10/2014					
Report received date		23/10/2014					
<u>Summary</u>							



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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	980	µS/cm		
		Depth	1.65	m		
		Nitrate	3.3	mg/L		
		Nitrogen (total)	3.80	mg/L		
		Phosphorus (total)	0.200	mg/L		
		PH	6.8			
		Available phosphorus	0.034	mg/L		
		Lab report number	N049479			
		Sampled date	9/10/2014			
		Lab received date	10/10/2014			
		Report received date	23/10/2014			
		<u>Summary</u>				



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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	960	µS/cm		
		Depth	3.70	m		
		Nitrate	0.02	mg/L		
		Nitrogen (total)	0.18	mg/L		
		Phosphorus (total)	0.110	mg/L		
		PH	7			
		Available phosphorus	0.004	mg/L		
		Lab report number	N049479			
		Sampled date	9/10/2014			
		Lab received date	10/10/2014			
		Report received date	23/10/2014			
		<u>Summary</u>				



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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	900	µS/cm		
		Depth	4.70	m		
		Nitrate	1.8	mg/L		
		Nitrogen (total)	2.00	mg/L		
		Phosphorus (total)	0.010	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N049479			
		Sampled date	9/10/2014			
		Lab received date	10/10/2014			
		Report received date	23/10/2014			
		<u>Summary</u>				



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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	1400	µS/cm		
		Depth	4.80	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.86	mg/L		
		Phosphorus (total)	0.220	mg/L		
		PH	6.8			
		Available phosphorus	0.004	mg/L		
		Lab report number	N049479			
		Sampled date	9/10/2014			
		Lab received date	10/10/2014			
		Report received date	23/10/2014			
		<u>Summary</u>				



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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	1300	µS/cm		
		Depth	5.75	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.34	mg/L		
		Phosphorus (total)	0.470	mg/L		
		PH	6.5			
		Available phosphorus	0.004	mg/L		
		Lab report number	N049479			
		Sampled date	9/10/2014			
		Lab received date	10/10/2014			
		Report received date	23/10/2014			
		<u>Summary</u>				



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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	180	µS/cm		
		Depth	5.65	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.58	mg/L		
		Phosphorus (total)	0.370	mg/L		
		PH	6.7			
		Available phosphorus	0.004	mg/L		
		Lab report number	N049479			
		Sampled date	9/10/2014			
		Lab received date	10/10/2014			
		Report received date	23/10/2014			
		<u>Summary</u>				



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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	890	µS/cm		
		Depth	6.45	m		
		Nitrate	1.1	mg/L		
		Nitrogen (total)	1.30	mg/L		
		Phosphorus (total)	0.063	mg/L		
		PH	6.2			
		Available phosphorus	0.004	mg/L		
		Lab report number	N049479			
		Sampled date	9/10/2014			
		Lab received date	10/10/2014			
		Report received date	23/10/2014			
		<u>Summary</u>				



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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	2300	mg/L			
		Conductivity	2358	µS/cm			
		Faecal coliforms	29000000	cfu/100 ml			
		Nitrate	24	mg/L			
		Nitrogen (total)	160.00	mg/L			
		Phosphorus (total)	54.000	mg/L			
		Sodium	560	mg/L			
		Sodium adsorption ratio	15				
		Total suspended solids	830	mg/L			
		PH	4.88				
		Lab report number	N049890--N049537				
		Sampled date	31/10/2014				
		Lab received date	1/11/2014				
		Report received date	14/11/2014				
<u>Summary</u>							



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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	1400	mg/L		
		Conductivity	4000	µS/cm		
		Faecal coliforms	3700000	cfu/100 ml		
		Nitrate	1	mg/L		
		Nitrogen (total)	110.00	mg/L		
		Phosphorus (total)	49.000	mg/L		
		Sodium	450	mg/L		
		Total suspended solids	240	mg/L		
		PH	5			
		Irrigation Days	20			
		Volume (Average)	750	kL/day		
		Lab report number	N049713			
		Sampled date	21/10/2014			
		Lab received date	22/10/2014			
		Report received date	31/10/2014			
<u>Summary</u>						



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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