



# Environment Monitoring Report

**June 2015**

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				
		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	
		Noise	49	dB(A)			
		Lab report number	151082				
		Sampled date	23/06/2015				
		Report received date	9/07/2015				
	<b><u>Summary</u></b>						
	A Noise Management Plan is currently in place to abate night time noise levels.						
	L3.3 - Noise emissions during day time at the most affected residential property					LA1(15 minute) 53 dB (A)	Yearly
		Noise	52	dB(A)			
		Lab report number	151082				
Sampled date		23/06/2015					
Report received date		9/07/2015					
<b><u>Summary</u></b>							



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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	18				
		Volume (Average)	1311	kL/day			
		Volume (Min-Max)	44 - 1905	kL/day			
		Sampled date	30/06/2015				
	<b><u>Summary</u></b>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	5	mg/L			
		Conductivity	700	µS/cm			
		Nitrate	4.9	mg/L			
PH		6.3					
Lab report number		N053909					
Sampled date		17/06/2015					
Lab received date		18/06/2015					
Report received date		30/06/2015					
<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	1.20	m		
		Nitrate	2.2	mg/L		
		Nitrogen (total)	3.4	mg/L		
		Phosphorus (total)	0.15	mg/L		
		PH	6.8			
		Available phosphorus	0.023	mg/L		
		Lab report number	N054358			
		Sampled date	29/06/2015			
		Lab received date	1/07/2015			
		Report received date	8/07/2015			
<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	1900	µS/cm		
		Depth	3.30	m		
		Nitrate	0.03	mg/L		
		Nitrogen (total)	0.4	mg/L		
		Phosphorus (total)	0.073	mg/L		
		PH	6.7			
		Available phosphorus	0.004	mg/L		
		Lab report number	N054358			
		Sampled date	29/06/2015			
		Lab received date	1/07/2015			
		Report received date	8/07/2015			
<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	1200	µS/cm		
		Depth	4.50	m		
		Nitrate	2.5	mg/L		
		Nitrogen (total)	2.9	mg/L		
		Phosphorus (total)	0.025	mg/L		
		PH	6.2			
		Available phosphorus	0.004	mg/L		
		Lab report number	N054358			
		Sampled date	29/06/2015			
		Lab received date	1/07/2015			
		Report received date	8/07/2015			
		<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	1100	µS/cm		
		Depth	4.30	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	1.2	mg/L		
		Phosphorus (total)	0.12	mg/L		
		PH	6.7			
		Available phosphorus	0.004	mg/L		
		Lab report number	N054358			
		Sampled date	29/06/2015			
		Lab received date	1/07/2015			
		Report received date	8/07/2015			
		<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	1700	µS/cm		
		Depth	5.10	m		
		Nitrate	0.02	mg/L		
		Nitrogen (total)	1.4	mg/L		
		Phosphorus (total)	0.47	mg/L		
		PH	6.3			
		Available phosphorus	0.004	mg/L		
		Lab report number	N054358			
		Sampled date	29/06/2015			
		Lab received date	1/07/2015			
		Report received date	8/07/2015			
		<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	250	µS/cm		
		Depth	4.85	m		
		Nitrate	0.15	mg/L		
		Nitrogen (total)	1	mg/L		
		Phosphorus (total)	0.4	mg/L		
		PH	6.7			
		Available phosphorus	0.033	mg/L		
		Lab report number	N054358			
		Sampled date	29/06/2015			
		Lab received date	1/07/2015			
		Report received date	8/07/2015			
<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	980	µS/cm		
		Depth	5.80	m		
		Nitrate	1.9	mg/L		
		Nitrogen (total)	2.4	mg/L		
		Phosphorus (total)	0.095	mg/L		
		PH	6.1			
		Available phosphorus	0.004	mg/L		
		Lab report number	N054358			
		Sampled date	29/06/2015			
		Lab received date	1/07/2015			
		Report received date	8/07/2015			
		<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	2100	mg/L		
		Conductivity	2391	µS/cm		
		Faecal coliforms	410000	cfu/100 ml		
		Nitrate	1	mg/L		
		Nitrogen (total)	140	mg/L		
		Phosphorus (total)	45	mg/L		
		Sodium	580	mg/L		
		Sodium adsorption ratio	20			
		Total suspended solids	590	mg/L		
		PH	7.87			
		Lab report number	N054378			
		Sampled date	30/06/2015			
		Lab received date	1/07/2015			
		Report received date	9/07/2015			
<b><u>Summary</u></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	900	mg/L		
		Conductivity	4200	µS/cm		
		Faecal coliforms	2000000	cfu/100 ml		
		Nitrate	1	mg/L		
		Nitrogen (total)	130	mg/L		
		Sodium	510	mg/L		
		Sodium adsorption ratio	18			
		Total suspended solids	140	mg/L		
		PH	6.5			
		Irrigation Days	9			
		Volume (Average)	522	kL/day		
		Volume (Min-Max)	45 - 1211	kL/day		
		Lab report number	N054176			
		Sampled date	17/06/2015			
		Lab received date	18/06/2015			
		Report received date	29/06/2015			
<b><u>Summary</u></b>						
No total phosphorus result.						



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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