



# Environment Monitoring Report

**October 2019**

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	
		Nitrogen Oxides	0.17	g/m3			
		Lab report number	R008268-1				
		Sampled date	15/10/2019				
		Lab received date					
		Report received date					
		<u>Summary</u>					
	EPA 22-Air emissions monitoring, main boiler PPU					0.35 g/m3	Yearly
		Nitrogen Oxides	0.2	g/m3			
		Lab report number	R008268-1				
		Sampled date	15/10/2019				
		Lab received date					
		Report received date					
		<u>Summary</u>					



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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	
		Nitrogen Oxides	0.09	g/m3			
		Lab report number	R008268-1				
		Sampled date	15/10/2019				
		Lab received date					
		Report received date					
	<b><u>Summary</u></b>						
	EPA 7- Air emissions monitoring, DPU boiler Stack					0.25 g/m3	Yearly
		Particulate matter	0.065	g/m3			
		Lab report number					
Sampled date		15/10/2019					
Lab received date							
Report received date							
<b><u>Summary</u></b>							



**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
		Particulate matter	0.17	g/m3		
		Lab report number	R008268-1			
		Sampled date	15/10/2019			
		Lab received date				
		Report received date				
		<b><u>Summary</u></b>				



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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)	1186.861	kL/day			
		Volume (Min-Max)	707.1 - 1444.4	kL/day			
		Sampled date	31/10/2019				
	<b><u>Summary</u></b>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Lab report number					
		Sampled date	31/10/2019				
		Lab received date					
Report received date							
<b><u>Summary</u></b>							
No sample available for October 2019 due to dry climatic conditions							



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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	860	µS/cm		
		Depth	3.10	m		
		Nitrate	0.013	mg/L		
		Nitrogen (total)	0.42	mg/L		
		Phosphorus (total)	0.1	mg/L		
		PH	6.6			
		Available phosphorus	0.021	mg/L		
		Lab report number	N085407			
		Sampled date	16/10/2019			
		Lab received date	17/10/2019			
		Report received date	25/10/2019			
<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	840	µS/cm		
		Depth	4.70	m		
		Nitrate	0.052	mg/L		
		Nitrogen (total)	0.19	mg/L		
		Phosphorus (total)	0.031	mg/L		
		PH	6.5			
		Available phosphorus	0.004	mg/L		
		Lab report number	N085407			
		Sampled date	16/10/2019			
		Lab received date	17/10/2019			
		Report received date	25/10/2019			
		<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	870	µS/cm		
		Depth	5.30	m		
		Nitrate	0.3	mg/L		
		Nitrogen (total)	0.27	mg/L		
		Phosphorus (total)	0.019	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N085407			
		Sampled date	16/10/2019			
		Lab received date	17/10/2019			
		Report received date	25/10/2019			
		<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	1700	µS/cm		
		Depth	5.30	m		
		Nitrate	0.027	mg/L		
		Nitrogen (total)	1.9	mg/L		
		Phosphorus (total)	0.17	mg/L		
		PH	6.5			
		Available phosphorus	0.004	mg/L		
		Lab report number	N085407			
		Sampled date	16/10/2019			
		Lab received date	17/10/2019			
		Report received date	25/10/2019			
		<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	1300	µS/cm		
		Depth	6.70	m		
		Nitrate	0.096	mg/L		
		Nitrogen (total)	0.85	mg/L		
		Phosphorus (total)	0.15	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N085407			
		Sampled date	16/10/2019			
		Lab received date	17/10/2019			
		Report received date	25/10/2019			
		<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	160	µS/cm		
		Depth	6.10	m		
		Nitrate	0.012	mg/L		
		Nitrogen (total)	0.54	mg/L		
		Phosphorus (total)	0.07	mg/L		
		PH	6.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N085407			
		Sampled date	16/10/2019			
		Lab received date	17/10/2019			
		Report received date	25/10/2019			
		<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
		Lab report number				
		Sampled date	31/10/2019			
		Lab received date				
		Report received date				
		<b>Summary</b>		No sample available for October 2019.		



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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
		Conductivity	2727	µS/cm		
		Faecal coliforms	100	cfu/100 ml		
		Nitrate	1	mg/L		
		Nitrogen (total)	120	mg/L		
		Phosphorus (total)	48	mg/L		
		Sodium	800	mg/L		
		Sodium adsorption ratio	25			
		Total suspended solids	610	mg/L		
		PH	7.05			
		Lab report number	N085738			
		Sampled date	31/10/2019			
		Lab received date	1/10/2019			
		Report received date	12/11/2019			
<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
		Lab report number				
		Sampled date	31/10/2019			
		Lab received date				
		Report received date				
		<b><u>Summary</u></b>				
		No irrigation from this sample point in October 2019				



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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