



Environment Monitoring Report

October 2022

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	0.15	g/m3			
		Lab report number	R013628				
		Sampled date	5/10/2022				
		Lab received date					
		Report received date					
		<u>Summary</u>					
	EPA 22-Air emissions monitoring, main boiler PPU					0.35 g/m3	Yearly
		Nitrogen Oxides	0.19	g/m3			
		Lab report number	R013628				
		Sampled date	5/10/2022				
		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	
		Lab report number					
		Sampled date	31/10/2022				
		Lab received date					
		Report received date					
	<u>Summary</u>		Testing not conducted due to inclement weather. (testing booked for November)				
	EPA 7- Air emissions monitoring, DPU boiler Stack					0.25 g/m3	Yearly
		Lab report number					
		Sampled date	31/10/2022				
		Lab received date					
Report received date							
<u>Summary</u>		Testing not conducted due to inclement weather. (testing booked for November)					



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	31/10/2022			
		Lab received date				
		Report received date				
<u>Summary</u>						
Testing not conducted due to inclement weather. (testing booked for November)						



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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				
		Summary 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				
		Summary 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)	1295.8	kL/day			
		Volume (Min-Max)	724.3 - 1606.6	kL/day			
		Sampled date	31/10/2022				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	5	mg/L			
		Conductivity	750	µS/cm			
		Nitrate	0.043	mg/L			
PH		6.4					
Lab report number		N105010					
Sampled date		12/10/2022					
Lab received date		13/10/2022					
Report received date		20/10/2022					
<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	820	µS/cm		
		Depth	1.35	m		
		Nitrate	0.005	mg/L		
		Nitrogen (total)	0.51	mg/L		
		Phosphorus (total)	0.037	mg/L		
		PH	6.6			
		Available phosphorus	0.013	mg/L		
		Lab report number	N105206			
		Sampled date	12/10/2022			
		Lab received date	13/10/2022			
		Report received date	28/10/2022			
		<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	2000	µS/cm		
		Depth	2.75	m		
		Nitrate	0.005	mg/L		
		Nitrogen (total)	0.18	mg/L		
		Phosphorus (total)	0.012	mg/L		
		PH	6.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N105206			
		Sampled date	12/10/2022			
		Lab received date	13/10/2022			
		Report received date	20/10/2022			
		<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	720	µS/cm		
		Depth	4.30	m		
		Nitrate	0.005	mg/L		
		Nitrogen (total)	0.37	mg/L		
		Phosphorus (total)	0.04	mg/L		
		PH	6.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N105206			
		Sampled date	12/10/2022			
		Lab received date	13/10/2022			
		Report received date	20/10/2022			
		<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	800	µS/cm		
		Depth	3.60	m		
		Nitrate	0.005	mg/L		
		Nitrogen (total)	0.77	mg/L		
		Phosphorus (total)	0.2	mg/L		
		PH	6.8			
		Available phosphorus	0.007	mg/L		
		Lab report number	N105206			
		Sampled date	12/10/2022			
		Lab received date	13/10/2022			
		Report received date	20/10/2022			
		<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	1400	µS/cm		
		Depth	4.90	m		
		Nitrate	1	mg/L		
		Nitrogen (total)	0.83	mg/L		
		Phosphorus (total)	0.086	mg/L		
		PH	6.3			
		Available phosphorus	0.013	mg/L		
		Lab report number	N105206			
		Sampled date	12/10/2022			
		Lab received date	13/10/2022			
		Report received date	20/10/2022			
		<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	340	µS/cm		
		Depth	4.10	m		
		Nitrate	0.084	mg/L		
		Nitrogen (total)	0.97	mg/L		
		Phosphorus (total)	0.074	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N105206			
		Sampled date	12/10/2022			
		Lab received date	13/10/2022			
		Report received date	20/10/2022			
		<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	1500	µS/cm		
		Depth	5.30	m		
		Nitrate	9.6	mg/L		
		Nitrogen (total)	0.06	mg/L		
		Phosphorus (total)	0.023	mg/L		
		PH	5.9			
		Available phosphorus	0.004	mg/L		
		Lab report number	N105206			
		Sampled date	12/10/2022			
		Lab received date	13/10/2022			
		Report received date	20/10/2022			
		<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	1900	mg/L		
		Conductivity	3365	µS/cm		
		Faecal coliforms	100	cfu/100 ml		
		Nitrate	5	mg/L		
		Nitrogen (total)	120	mg/L		
		Phosphorus (total)	33	mg/L		
		Sodium	680	mg/L		
		Sodium adsorption ratio	21			
		Total suspended solids	660	mg/L		
		PH	7.02			
		Lab report number	N105468			
		Sampled date	31/10/2022			
		Lab received date	2/11/2022			
		Report received date	10/11/2022			
<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
		Lab report number				
		Sampled date	31/10/2022			
		Lab received date				
		Report received date				
		<u>Summary</u>				
		No irrigation from this sample point for October 2022				



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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