



Environment Monitoring Report

April 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	
		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
		Particulate matter	0.13		g/m3		
		Lab report number	R012514				
		Sampled date	12/04/2022				
Lab received date							
Report received date		29/04/2022					
Summary							



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
		Particulate matter	0.19	g/m3		
		Lab report number	R012514			
		Sampled date	13/04/2022			
		Lab received date				
		Report received date	29/04/2022			
		<u>Summary</u>				



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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	35	dB(A)			
		Lab report number	221047				
		Sampled date	20/04/2022				
		Report received date	6/05/2022				
	<u>Summary</u>						
	L3.3 - Noise emissions during day time at the most affected residential property					LA1(15 minute) 53 dB (A)	Yearly
		Noise	30	dB(A)			
		Lab report number	221047				
		Sampled date	20/04/2022				
Report received date		6/05/2022					
<u>Summary</u>							



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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	30				
		Volume (Average)	967	kL/day			
		Volume (Min-Max)	393 - 1538	kL/day			
		Sampled date	30/04/2022				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	5	mg/L			
		Conductivity	520	µS/cm			
		Nitrate	0.056	mg/L			
PH		6.7					
Lab report number		N101739					
Sampled date		27/04/2022					
Lab received date		28/04/2022					
Report received date		5/05/2022					
<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	850	µS/cm		
		Depth	1.45	m		
		Nitrate	0.024	mg/L		
		Nitrogen (total)	1.1	mg/L		
		Phosphorus (total)	0.031	mg/L		
		PH	6.5			
		Available phosphorus	0.004	mg/L		
		Lab report number	N101827			
		Sampled date	27/04/2022			
		Lab received date	28/04/2022			
		Report received date	10/05/2022			
		<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	1200	µS/cm		
		Depth	3.35	m		
		Nitrate	3.8	mg/L		
		Nitrogen (total)	0.91	mg/L		
		Phosphorus (total)	0.076	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N101827			
		Sampled date	27/04/2022			
		Lab received date	28/04/2022			
		Report received date	10/05/2022			
		<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	1100	µS/cm		
		Depth	4.25	m		
		Nitrate	5.1	mg/L		
		Nitrogen (total)	0.41	mg/L		
		Phosphorus (total)	0.044	mg/L		
		PH	6.1			
		Available phosphorus	0.004	mg/L		
		Lab report number	N101827			
		Sampled date	27/04/2022			
		Lab received date	28/04/2022			
		Report received date	10/05/2022			
		<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	720	µS/cm		
		Depth	4.25	m		
		Nitrate	0.005	mg/L		
		Nitrogen (total)	1.2	mg/L		
		Phosphorus (total)	0.24	mg/L		
		PH	6.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N101827			
		Sampled date	27/04/2022			
		Lab received date	28/04/2022			
		Report received date	10/05/2022			
		<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	1500	µS/cm		
		Depth	5.30	m		
		Nitrate	3.1	mg/L		
		Nitrogen (total)	0.93	mg/L		
		Phosphorus (total)	0.074	mg/L		
		PH	6.3			
		Available phosphorus	0.004	mg/L		
		Lab report number	N101827			
		Sampled date	27/04/2022			
		Lab received date	28/04/2022			
		Report received date	10/05/2022			
		<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	190	µS/cm		
		Depth	4.70	m		
		Nitrate	0.26	mg/L		
		Nitrogen (total)	1.1	mg/L		
		Phosphorus (total)	0.86	mg/L		
		PH	6.5			
		Available phosphorus	0.062	mg/L		
		Lab report number	N101827			
		Sampled date	27/04/2022			
		Lab received date	28/04/2022			
		Report received date	10/05/2022			
		<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	1700	µS/cm		
		Depth	6.00	m		
		Nitrate	12	mg/L		
		Nitrogen (total)	0.01	mg/L		
		Phosphorus (total)	0.046	mg/L		
		PH	5.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N101827			
		Sampled date	27/04/2022			
		Lab received date	28/04/2022			
		Report received date	10/05/2022			
		<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	1250	mg/L		
		Conductivity	2243	µS/cm		
		Faecal coliforms	100	cfu/100 ml		
		Nitrate	5	mg/L		
		Nitrogen (total)	98	mg/L		
		Phosphorus (total)	23	mg/L		
		Sodium	630	mg/L		
		Sodium adsorption ratio	21			
		Total suspended solids	730	mg/L		
		PH	7.13			
		Lab report number	N101844			
		Sampled date	30/04/2022			
		Lab received date	3/05/2022			
		Report received date	11/05/2022			
<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	30/04/2022			
		Lab received date				
		Report received date				
		<u>Summary</u>				
		No irrigation from this sample point for April 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