



Environment Monitoring Report

January 2021

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					
	<u>Summary</u>		Testing is conducted quarterly 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							
<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	
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	0.3		g/m3		
		Lab report number	R010461				
		Sampled date	31/01/2021				
Lab received date							
Report received date							
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
		Lab report number	R010461			
		Sampled date	31/01/2021			
		Lab received date				
		Report received date				
<p><u>Summary</u></p> <p>No testing conducted for January 21 due to weather conditions failed JSA</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				
		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)	1248	kL/day			
		Volume (Min-Max)	1017 - 1462	kL/day			
		Sampled date	31/01/2021				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Lab report number					
		Sampled date	31/01/2021				
		Lab received date					
Report received date							
<u>Summary</u>							
No sample available for January 2021 evident no seepage							



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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	890	µS/cm		
		Nitrate	1.3	mg/L		
		Nitrogen (total)	0.51	mg/L		
		Phosphorus (total)	0.065	mg/L		
		PH	6.4			
		Available phosphorus	0.015	mg/L		
		Lab report number	N093374			
		Sampled date	27/01/2021			
		Lab received date	28/01/2021			
		Report received date	5/02/2021			
<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	940	µS/cm		
		Nitrate	0.005	mg/L		
		Nitrogen (total)	0.51	mg/L		
		Phosphorus (total)	0.12	mg/L		
		PH	6.4			
		Available phosphorus	0.015	mg/L		
		Lab report number	N093374			
		Sampled date	27/01/2021			
		Lab received date	28/01/2021			
		Report received date	5/02/2021			
<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	1300	µS/cm		
		Nitrate	13	mg/L		
		Nitrogen (total)	0.05	mg/L		
		Phosphorus (total)	0.073	mg/L		
		PH	6.9			
		Available phosphorus	0.005	mg/L		
		Lab report number	N093374			
		Sampled date	27/01/2021			
		Lab received date	28/01/2021			
		Report received date	5/02/2021			
<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	1800	µS/cm		
		Nitrate	0.066	mg/L		
		Nitrogen (total)	0.43	mg/L		
		Phosphorus (total)	0.039	mg/L		
		PH	6.5			
		Available phosphorus	0.004	mg/L		
		Lab report number	N093374			
		Sampled date	27/01/2021			
		Lab received date	28/01/2021			
		Report received date	5/02/2021			
<u>Summary</u>						



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Water & Land	EPA 29 - Groundwater monitoring point at Apps Farm, east river flats				none	Quarterly
		Conductivity	2100	µS/cm		
		Nitrate	0.034	mg/L		
		Nitrogen (total)	0.63	mg/L		
		Phosphorus (total)	0.063	mg/L		
		PH	6.1			
		Available phosphorus	0.004	mg/L		
		Lab report number	N093374			
		Sampled date	27/01/2021			
		Lab received date	28/01/2021			
		Report received date	5/02/2021			
<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	640	µS/cm		
		Nitrate	0.005	mg/L		
		Nitrogen (total)	1.3	mg/L		
		Phosphorus (total)	0.13	mg/L		
		PH	5.8			
		Available phosphorus	0.004	mg/L		
		Lab report number	N093374			
		Sampled date	27/01/2021			
		Lab received date	28/01/2021			
		Report received date	5/02/2021			
<u>Summary</u>						



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Water & Land	EPA 31 - 'Control' Groundwater monitoring point at Ubrihien farm west	Lab report number			none	Quarterly
		Sampled date	31/01/2021			
		Lab received date				
		Report received date				
		Summary		No sample available from sample point for January 2021		
	EPA 5-Effluent quality monitoring, DPU holding tanks 1 & 2	Biochemical oxygen demand	3900	mg/L	none	Monthly
		Conductivity	2793	µS/cm		
		Faecal coliforms	100	cfu/100 ml		
		Nitrate	77	mg/L		
		Nitrogen (total)	240	mg/L		
		Phosphorus (total)	52	mg/L		
		Sodium	660	mg/L		
Sodium adsorption ratio	17					
Total suspended solids	1200	mg/L				
PH	7.92					
Lab report number	N093437					



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Water & Land	EPA 5-Effluent quality monitoring, DPU holding tanks 1 & 2	Sampled date	31/01/2021				
		Lab received date	2/02/2021				
		Report received date	10/02/2021				
		<u>Summary</u>					
	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	31/01/2021				
		Lab received date					
		Report received date					
		<u>Summary</u>					
No irrigation from this sample point for January 2021							



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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