



Environment Monitoring Report

October 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	31/10/2021				
		Lab received date					
		Report received date					
	Summary						
	Testing not done until November 2021 due to COVID restrictions						
	EPA 22-Air emissions monitoring, main boiler PPU					0.35 g/m3	Yearly
		Lab report number					
		Sampled date	31/10/2021				
Lab received date							
Report received date							
Summary							
Testing not done until November 2021 due to COVID restrictions							



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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	31/10/2021				
		Lab received date					
		Report received date					
	<u>Summary</u>		Testing not done until November 2021 due to COVID restrictions				
	EPA 7- Air emissions monitoring, DPU boiler Stack					0.25 g/m3	Yearly
		Lab report number					
		Sampled date	31/10/2021				
		Lab received date					
Report received date							
<u>Summary</u>		Testing not conducted Until November 2021 due to COVID restrictions					



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
		Lab report number				
		Sampled date	30/10/2021			
		Lab received date				
		Report received date				
<u>Summary</u>						
Testing not conducted until November 2021 due to COVID restrictions						



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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)	1279	kL/day			
		Volume (Min-Max)	1167 - 1505	kL/day			
		Sampled date	31/10/2021				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Lab report number					
		Sampled date	31/10/2021				
		Lab received date					
Report received date							
<u>Summary</u>							
No sample available for October 2021 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	720	µS/cm		
		Nitrate	0.013	mg/L		
		Nitrogen (total)	0.52	mg/L		
		Phosphorus (total)	0.023	mg/L		
		PH	6.7			
		Available phosphorus	0.008	mg/L		
		Lab report number	N098615			
		Sampled date	13/10/2021			
		Lab received date	9/11/2021			
		Report received date	19/11/2021			
<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	1600	µS/cm		
		Nitrate	0.068	mg/L		
		Nitrogen (total)	0.23	mg/L		
		Phosphorus (total)	0.01	mg/L		
		PH	6.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N098615			
		Sampled date	13/10/2021			
		Lab received date	11/11/2021			
		Report received date	19/11/2021			
<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	860	µS/cm		
		Nitrate	1.6	mg/L		
		Nitrogen (total)	0.28	mg/L		
		Phosphorus (total)	0.012	mg/L		
		PH	6.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N098615			
		Sampled date	13/10/2021			
		Lab received date	9/11/2021			
		Report received date	19/11/2021			
<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	970	µS/cm		
		Nitrate	0.78	mg/L		
		Nitrogen (total)	0.48	mg/L		
		Phosphorus (total)	0.087	mg/L		
		PH	6.9			
		Available phosphorus	0.004	mg/L		
		Lab report number	N098516			
		Sampled date	13/10/2021			
		Lab received date	8/11/2021			
		Report received date	16/11/2021			
<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	2000	µS/cm		
		Nitrate	0.44	mg/L		
		Nitrogen (total)	0.25	mg/L		
		Phosphorus (total)	0.017	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N098516			
		Sampled date	13/10/2021			
		Lab received date	8/11/2021			
		Report received date	16/11/2021			
<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	400	µS/cm		
		Nitrate	0.18	mg/L		
		Nitrogen (total)	1.8	mg/L		
		Phosphorus (total)	0.064	mg/L		
		PH	4.3			
		Available phosphorus	0.004	mg/L		
		Lab report number	N098516			
		Sampled date	13/10/2021			
		Lab received date	8/11/2021			
		Report received date	16/11/2021			
<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	31/10/2021				
		Lab received date					
		Report received date					
		Summary	No sample available for October 2021				
	EPA 5-Effluent quality monitoring, DPU holding tanks 1 & 2					none	Monthly
		Biochemical oxygen demand	3500	mg/L			
		Conductivity	5698	µS/cm			
		Faecal coliforms	100	cfu/100 ml			
		Nitrate	5	mg/L			
Nitrogen (total)		210	mg/L				
Phosphorus (total)		78	mg/L				
Sodium		880	mg/L				
Sodium adsorption ratio		22					
Total suspended solids		890	mg/L				
PH	5.38						
Lab report number	N098485						



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Water & Land	EPA 5-Effluent quality monitoring, DPU holding tanks 1 & 2	Sampled date	31/10/2021				
		Lab received date	3/11/2021				
		Report received date	15/11/2021				
		<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	31/10/2021				
		Lab received date					
		Report received date					
		<u>Summary</u>					
No irrigation from this sample point for October 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