



# Environment Monitoring Report

**January 2023**

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					
	<b>Summary</b>		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							
<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
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 <u>Summary</u> Testing is conducted yearly and is not required this month					
Air	EPA 7- Air emissions monitoring, DPU boiler Stack				0.25 g/m3	Yearly
	Particulate matter Lab report number Sampled date Lab received date Report received date <u>Summary</u>		0.087 R014234 24/01/2023 14/02/2023	g/m3		



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Air	EPA 8-Air emissions monitoring, Whey plant stack DPU				0.25 g/m3	Special frequency 2
		Particulate matter	0.25	g/m3		
		Lab report number	R014234			
		Sampled date	24/01/2023			
		Lab received date				
		Report received date	14/02/2023			
<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)	1189703	kL/day			
		Volume (Min-Max)	886700 - 1422800	kL/day			
		Sampled date	31/01/2023				
	<b><u>Summary</u></b>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	5	mg/L			
		Conductivity	1100	µS/cm			
		Nitrate	0.02	mg/L			
PH		6.4					
Lab report number		N106937					
Sampled date		23/01/2023					
Lab received date		24/01/2023					
Report received date		31/01/2023					
<b><u>Summary</u></b>							



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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	920	µS/cm		
		Depth	2.20	m		
		Nitrate	0.014	mg/L		
		Nitrogen (total)	0.62	mg/L		
		Phosphorus (total)	0.025	mg/L		
		PH	6.5			
		Available phosphorus	0.004	mg/L		
		Lab report number	N107084			
		Sampled date	23/01/2023			
		Lab received date	24/01/2023			
		Report received date	7/02/2023			
		<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	1500	µS/cm		
		Depth	3.90	m		
		Nitrate	0.035	mg/L		
		Nitrogen (total)	0.95	mg/L		
		Phosphorus (total)	0.026	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N107084			
		Sampled date	23/01/2023			
		Lab received date	24/01/2023			
		Report received date	7/02/2023			
		<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	880	µS/cm		
		Depth	4.90	m		
		Nitrate	0.52	mg/L		
		Nitrogen (total)	0.67	mg/L		
		Phosphorus (total)	0.023	mg/L		
		PH	6.5			
		Available phosphorus	0.005	mg/L		
		Lab report number	N107084			
		Sampled date	23/01/2023			
		Lab received date	24/01/2023			
		Report received date	7/02/2023			
		<b><u>Summary</u></b>				





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Water & Land	EPA 28 - Groundwater monitoring point at Apps Farm near bridge				none	Quarterly
		Conductivity	990	µS/cm		
		Depth	4.80	m		
		Nitrate	0.005	mg/L		
		Nitrogen (total)	1.4	mg/L		
		Phosphorus (total)	0.076	mg/L		
		PH	6.7			
		Available phosphorus	0.004	mg/L		
		Lab report number	N107084			
		Sampled date	23/01/2023			
		Lab received date	24/01/2023			
		Report received date	7/02/2023			
		<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	1200	µS/cm		
		Depth	6.00	m		
		Nitrate	2.4	mg/L		
		Nitrogen (total)	0.95	mg/L		
		Phosphorus (total)	0.011	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N107084			
		Sampled date	23/01/2023			
		Lab received date	24/01/2023			
		Report received date	7/02/2023			
		<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	150	µS/cm		
		Depth	5.65	m		
		Nitrate	0.05	mg/L		
		Nitrogen (total)	0.8	mg/L		
		Phosphorus (total)	0.8	mg/L		
		PH	6.5			
		Available phosphorus	0.21	mg/L		
		Lab report number	N107084			
		Sampled date	23/01/2023			
		Lab received date	24/01/2023			
		Report received date	7/02/2023			
		<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
		Conductivity	1500	µS/cm		
		Depth	7.00	m		
		Nitrate	7.9	mg/L		
		Nitrogen (total)	1.1	mg/L		
		Phosphorus (total)	0.033	mg/L		
		PH	5.7			
		Available phosphorus	0.004	mg/L		
		Lab report number	N107084			
		Sampled date	23/01/2023			
		Lab received date	24/01/2023			
		Report received date	7/02/2023			
		<b><u>Summary</u></b>				



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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	2000	mg/L		
		Conductivity	3569	µS/cm		
		Faecal coliforms	100	cfu/100 ml		
		Nitrate	5	mg/L		
		Nitrogen (total)	100	mg/L		
		Phosphorus (total)	32	mg/L		
		Sodium	760	mg/L		
		Sodium adsorption ratio	26			
		Total suspended solids	660	mg/L		
		PH	6.89			
		Lab report number	N107186			
		Sampled date	31/01/2023			
		Lab received date	1/02/2023			
		Report received date	10/02/2023			
<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	31/01/2023			
		Lab received date				
		Report received date				
		<b><u>Summary</u></b>				
		No irrigation from this sample point for January 2023				



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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