



Environment Monitoring Report

October 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	
		Nitrogen Oxides	0.17	g/m3			
		Lab report number	R015689				
		Sampled date	17/10/2023				
		Lab received date	17/10/2023				
		Report received date	8/11/2023				
		<u>Summary</u>					
	EPA 22-Air emissions monitoring, main boiler PPU					0.35 g/m3	Yearly
		Nitrogen Oxides	0.18	g/m3			
		Lab report number	R015689				
		Sampled date	17/10/2023				
		Lab received date	17/10/2023				
		Report received date	8/11/2023				
		<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	
		Nitrogen Oxides	0.09	g/m3			
		Lab report number	R015689				
		Sampled date	17/10/2023				
		Lab received date	17/10/2023				
		Report received date	8/11/2023				
		<u>Summary</u>					
	EPA 7- Air emissions monitoring, DPU boiler Stack					0.25 g/m3	Yearly
		Particulate matter	0.16	g/m3			
		Lab report number	R015689				
		Sampled date	17/10/2023				
		Lab received date	17/10/2023				
Report received date		8/11/2023					
<u>Summary</u>							



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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	0.2	g/m3		
		Lab report number	R015689			
		Sampled date	18/10/2023			
		Lab received date	18/10/2023			
		Report received date	8/11/2023			
<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
		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)	1190	kL/day			
		Volume (Min-Max)	246 - 1781	kL/day			
		Sampled date	31/10/2023				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Lab report number					
		Sampled date	31/10/2023				
		Lab received date					
Report received date							
<u>Summary</u>							
No sample available for October 2023 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	930	µS/cm		
		Depth	3.20	m		
		Nitrate	0.008	mg/L		
		Nitrogen (total)	0.56	mg/L		
		Phosphorus (total)	0.024	mg/L		
		PH	6.5			
		Available phosphorus	0.004	mg/L		
		Lab report number	N112402			
		Sampled date	18/10/2023			
		Lab received date	19/10/2023			
		Report received date	6/11/2023			
		<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	950	µS/cm		
		Depth	4.40	m		
		Nitrate	0.085	mg/L		
		Nitrogen (total)	0.36	mg/L		
		Phosphorus (total)	0.016	mg/L		
		PH	6.5			
		Available phosphorus	0.004	mg/L		
		Lab report number	N112402			
		Sampled date	18/10/2023			
		Lab received date	19/10/2023			
		Report received date	6/11/2023			
		<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
		Lab report number	N112402			
		Sampled date	18/10/2023			
		Lab received date	19/10/2023			
		Report received date	6/10/2023			
		<u>Summary</u>				
		No sample available for October 2023 due to damaged bore.				



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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	1200	µS/cm		
		Depth	4.95	m		
		Nitrate	0.005	mg/L		
		Nitrogen (total)	1.9	mg/L		
		Phosphorus (total)	0.026	mg/L		
		PH	6.3			
		Available phosphorus	0.026	mg/L		
		Lab report number	N112402			
		Sampled date	18/10/2023			
		Lab received date	19/10/2023			
		Report received date	6/11/2023			
		<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	6.20	m		
		Nitrate	3.7	mg/L		
		Nitrogen (total)	0.74	mg/L		
		Phosphorus (total)	0.023	mg/L		
		PH	6.3			
		Available phosphorus	0.004	mg/L		
		Lab report number	N112402			
		Sampled date	18/10/2023			
		Lab received date	19/10/2023			
		Report received date	6/11/2023			
		<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	120	µS/cm		
		Depth	5.90	m		
		Nitrate	0.005	mg/L		
		Nitrogen (total)	0.72	mg/L		
		Phosphorus (total)	0.47	mg/L		
		PH	6.6			
		Available phosphorus	0.035	mg/L		
		Lab report number	N112402			
		Sampled date	18/10/2023			
		Lab received date	19/10/2023			
		Report received date	6/11/2023			
		<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
		Lab report number	N112402			
		Sampled date	18/10/2023			
		Lab received date	19/10/2023			
		Report received date	6/11/2023			
		Summary				
		No sample available for October 2023 due to dry climatic conditions				



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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	2900	mg/L		
		Conductivity	3761	µS/cm		
		Faecal coliforms	100	cfu/100 ml		
		Nitrate	34	mg/L		
		Nitrogen (total)	160	mg/L		
		Phosphorus (total)	43	mg/L		
		Sodium	730	mg/L		
		Sodium adsorption ratio	26			
		Total suspended solids	840	mg/L		
		PH	7.76			
		Lab report number	N112542			
		Sampled date	31/10/2023			
		Lab received date	1/11/2023			
		Report received date	15/11/2023			
<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	31/10/2023			
		Lab received date				
		Report received date				
		<u>Summary</u>				
		No irrigation from this sample point for October 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