

EPA Licence number: 1511

# **Environment Monitoring Report**

March 2023

PO Box 123 Bega NSW 2550 Australia

<b>Monitoring Type</b>	<b>Monitoring Point</b>	Pollutant	Measurements	Unit	Limit	Frequency
Air	EPA 12-Air emissions				0.35 g/m3	Yearly
	monitoring, back up boiler PPU	Lab report number				T
		Sampled date				
		Lab received date				
		Report received date				
		<u>Summary</u>				
	EPA 22-Air emissions monitoring, main boiler PPU	Testing is conducted yearly	and is not required this i	month	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 I	month		



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<b>Monitoring Type</b>	<b>Monitoring Point</b>	Pollutant	Measurements	Unit	Limit	Frequency
Air	EPA 24 - Air emissions				0.35 g/m3	Yearly
	monitoring, gas boiler stack DPU	Lab report number				T
	DI O	Sampled date	· · · · · · · · · · · · · · · · · · ·			
		Lab received date				 
		Report received date				
		<u>Summary</u>				
		Testing is conducted yearly	and is not required this r	month		
	EPA 7- Air emissions monitoring, DPU boiler Stack				0.25 g/m3	Yearly
		Lab report number				T
		Sampled date	· · · · · · · · · · · · · · · · · · ·			
		Lab received date				 
		Report received date				
		<u>Summary</u>				
		Testing is conducted quarte	erly and is not required th	nis month		



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<b>Monitoring Type</b>	<b>Monitoring Point</b>	Pollutant	Measurements	Unit	Limit	Frequency
Air	EPA 8-Air emissions monitoring, Whey plant stack				0.25 g/m3	Special frequency 2
DPU	Lab report number					
	Sampled date					
		Lab received date				
		Report received date				
	Summary Testing is conducted quarterly a	and is not required th	nis month			



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<b>Monitoring Type</b>	<b>Monitoring Point</b>	Pollutant	Measurements	Unit	Limit	Frequency
Noise	L3.2 - Noise emissions during night time (10pm to 7am) at the most affected residential				LA10(15 minutes) 45dB (A)	Yearly
	property	Noise	45	dB(A)		
		Lab report number	231018			
		Sampled date	7/03/2023			
		Report received date	30/03/2023			
	L3.3 - Noise emissions during day time at the most affected residential property				LA1(15 minute) 53 dB (A)	Yearly
		Noise	47	dB(A)		
		Lab report number	231018			
		Sampled date	7/03/2023			
		Report received date	30/03/2023			
		Summary				



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Environment Line Ph: +61-2-6491 7691

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    EPA 23-Environmental monitoring subsurface drainage sump at WWSD   Sampled date   Summary	<b>Monitoring Type</b>	<b>Monitoring Point</b>	Pollutant	Measurements	Unit	Limit	Frequency
The Ranch, Wet Weather Storage Dam, Angeldale Apps Farm West, Apps Farm East, Apps Flat, Rockleigh, Ubrihien & Factory Flats  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  Biochemical oxygen demand Conductivity 790 µS/cm Nitrate 0.005 mg/L PH 6.4 Lab report number N108056 Sampled date 20/03/2023 Lab received date 22/04/2023 Report received date 28/03/2023	Water & Land					none	Daily
Storage Dam, Angeldale Apps Farm West, Apps Farm East, Apps Flat, Rockleigh, Ubrihien & Factory Flats  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  EPA WWSD  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  Sampled date  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  Sampled date  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  Sampled date  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  Sampled date  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  Sampled date  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  Sampled date  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  Sampled date  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  Sampled date  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  Sampled date  Sampled sam			Irrigation Days	31	:		Ţ
Apps Flat, Rockleigh, Ubrihien & Factory Flats  EPA 23-Environmental monitoring subsurface drainage sump at WWSD  Biochemical oxygen demand 5 mg/L  Conductivity 790 μS/cm  Nitrate 0.005 mg/L  PH 6.4  Lab report number N108056  Sampled date 20/03/2023  Lab received date 22/04/2023  Report received date 28/03/2023			Volume (Average)	1012	kL/day		
8 Factory Flats    Summary   Summary			Volume (Min-Max)	200 - 1332	kL/day		
EPA 23-Environmental monitoring subsurface drainage sump at WWSD  Biochemical oxygen demand 5 mg/L  Conductivity 790 µS/cm  Nitrate 0.005 mg/L  PH 6.4  Lab report number N108056  Sampled date 20/03/2023  Lab received date 22/04/2023  Report received date 28/03/2023			Sampled date	31/03/2023			
Biochemical oxygen demand   5   mg/L			<u>Summary</u>				
sump at WWSD       Biochemical oxygen demand       5       Hig/L         Conductivity       790       μS/cm         Nitrate       0.005       mg/L         PH       6.4         Lab report number       N108056         Sampled date       20/03/2023         Lab received date       22/04/2023         Report received date       28/03/2023		monitoring subsurface drainage	Dischamical awaren dersand		m g /l	none	Quarterly
Nitrate       0.005       mg/L         PH       6.4         Lab report number       N108056         Sampled date       20/03/2023         Lab received date       22/04/2023         Report received date       28/03/2023			Biochemical oxygen demand	5	mg/L		
PH 6.4  Lab report number N108056  Sampled date 20/03/2023  Lab received date 22/04/2023  Report received date 28/03/2023			Conductivity	790	μS/cm		
Lab report number       N108056         Sampled date       20/03/2023         Lab received date       22/04/2023         Report received date       28/03/2023			Nitrate	0.005	mg/L		
Sampled date       20/03/2023         Lab received date       22/04/2023         Report received date       28/03/2023			PH	6.4			
Lab received date 22/04/2023  Report received date 28/03/2023			Lab report number	N108056			
Report received date 28/03/2023			Sampled date	20/03/2023			
			Lab received date	22/04/2023			
Summary			Report received date	28/03/2023			
<u>Sammar y</u>			<u>Summary</u>				



March 2023

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<b>Monitoring Type</b>	<b>Monitoring Point</b>	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 25 - 'Control' Groundwater				none	Quarterly
	monitoring point at corner of Daisy Hill & Buckajo Rd	Lab report number				1
	Daisy Till & Buckajo Nu	Sampled date	· · · · · · · · · · · · · · · · · · ·			
		Lab received date				
		Report received date				
		<u>Summary</u>				
	EPA 26 - Groundwater monitoring point at 'The Ranch' fenceline	Testing is conducted quarte	rly and is not required th	nis month	none	Quarterly
		Lab report number				<del></del>
		Sampled date				-
		Lab received date				
		Report received date	· · · · · · · · · · · · · · · · · · ·			
		<u>Summary</u>				
		Testing is conducted quarte	rly and is not required th	nis month		



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<b>Monitoring Type</b>	<b>Monitoring Point</b>	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 27 - Groundwater				none	Quarterly
	monitoring point at Bega River crossing, Factory Flats	Lab report number				
	crossing, ractory riats	Sampled date				
		Lab received date				
		Report received date				
		<u>Summary</u>				
	EPA 28 - Groundwater	Testing is conducted quarte	ny and is not required to	iis month	none	Quarterly
	monitoring point at Apps Farm near bridge	Lab report number				
	incar shage	Sampled date				
		Lab received date				
		Report received date				
		Summary Testing is conducted quarte	rly and is not required th	nis month		



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# **Environment Monitoring Report**

March 2023

**SINCE 1899** 

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<b>Monitoring Type</b>	<b>Monitoring Point</b>	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 29 - Groundwater				none	Quarterly
	monitoring point at Apps Farm, east river flats	Lab report number				
	east river riats	Sampled date	· · · · · · · · · · · · · · · · · · ·			
		Lab received date				
		Report received date				
		<u>Summary</u>				
	EPA 30 - Groundwater monitoring point at Apps/Ubrihien farm south	Testing is conducted quarte	erly and is not required th	nis month	none	Quarterly
		Lab report number				
		Sampled date				
		Lab received date	· · · · · · · · · · · · · · · · · · ·			
		Report received date				
		Summary Testing is conducted quarte	erly and is not required th	nis month		



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<b>Monitoring Type</b>	<b>Monitoring Point</b>	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 31 - 'Control' Groundwater				none	Quarterly
	monitoring point at Ubrihien farm west	Lab report number				
Tariii West	Sampled date					
		Lab received date				
		Report received date				
		Summary				
		Testing is conducted quarterly	and is not required th	nis month		



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<b>Monitoring Type</b>	<b>Monitoring Point</b>	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 5-Effluent quality				none	Monthly
	monitoring, DPU holding tanks 1 & 2	Biochemical oxygen demand	2600	mg/L		
	1 & 2	Conductivity	3417	μS/cm		
		Faecal coliforms	100	cfu/100 ml		
		Nitrate	5	mg/L		
		Nitrogen (total)	140	mg/L		
		Phosphorus (total)	45	mg/L		
		Sodium	725	mg/L		
		Sodium adsorption ratio	19			
		Total suspended solids	3600	mg/L		
		PH	6.54			
		Lab report number	N108363			
		Sampled date	31/03/2023			
		Lab received date	4/04/2023			
		Report received date	17/04/2023			
		Summary				



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<b>Monitoring Type</b>	<b>Monitoring Point</b>	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 6-Effluent quality & discharge volume monitoring				none	Special frequency 1
	from WWSD holding tank to	Lab report number				
	utilisation areas 'The Ranch' and 'Grevillea'	Sampled date	31/03/2023			
		Lab received date				
		Report received date				
		Summary  No irrigation from this samp	e point for March 2023			





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# **Environment Monitoring Report**

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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