

## December 2023

EPA Licence number: 1511

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				
	EPA 22-Air emissions				0.35 g/m3	Yearly
	EPA 22-Air emissions monitoring, main boiler PPU		i		0.25 g/m2	Voorly
		Lab report number				 
		Sampled date	· · · · · · · · · · · · · · · · · · ·		 	 
		Lab received date		; ;	   -	 
		Report received date				
		Summary Testing is conducted yearly	and is not required this	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				r
		Sampled date				 
		Lab received date				
		Report received date				
		<u>Summary</u>				
	EPA 7- Air emissions monitoring, DPU boiler Stack	Testing is conducted yearly	and is not required this i	nonth	0.25 g/m3	Yearly
		Lab report number			-	
		Sampled date				 
		Lab received date				i ! 
		Report received date				
		Summary				
		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
Air EPA 8-Air emissions monitoring, Whey plant stack DPU					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	Lab report number				
		Sampled date				
		Report received date				
		<u>Summary</u>				
		Testing is conducted yearly a	and is not required this r	nonth		
	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 a	and is not required this r	nonth		



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<b>Monitoring Type</b>	<b>Monitoring Point</b>	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 1 – Volume monitoring				none	Daily
	from DPU to utilisation areas - The Ranch, Wet Weather	Irrigation Days	26	: :		
	Storage Dam, Angeldale Apps	Volume (Average)	1155	kL/day		
	Farm West, Apps Farm East,	Volume (Min-Max)	342 - 1721	kL/day		
	Apps Flat, Rockleigh, Ubrihien & Factory Flats	Sampled date	31/12/2023			
	a ractory riats	Summary				
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD	Dischanical average descript			none	Quarterly
		Biochemical oxygen demand	5	mg/L		
		Conductivity	510	μS/cm		
		Nitrate	0.028	mg/L		
		PH	6.4			
		Lab report number	N113318			
		Sampled date	14/12/2023			
		Lab received date	18/12/2023			
		Report received date	28/12/2023			
		Summary				



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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				
	Daisy Till & Backajo Na	Sampled date				
		Lab received date				
		Report received date				
		Summary				
		Testing is conducted quarte	rly and is not required th	nis month		
	EPA 26 - Groundwater				none	Quarterly
	monitoring point at 'The Ranch' fenceline	Lab report number				
		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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<b>Monitoring Type</b>	Monitoring Point	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				
		Summary				
	EPA 28 - Groundwater monitoring point at Apps Farm	Testing is conducted quarte	rly and is not required th	nis month	none	Quarterly
		Lab report number				
	near bridge	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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<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				
		Summary				
	EPA 30 - Groundwater monitoring point at Apps/Ubrihien farm south	Testing is conducted quarte	rly 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	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 31 - 'Control' Groundwater				none	Quarterly		
monitoring point a	monitoring point at Ubrihien farm west	Lab report number				I		
	Tom 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	2500	mg/L		[
	1 & 2	Conductivity	3593	μS/cm		
		Faecal coliforms	100	cfu/100 ml		
		Nitrate	5	mg/L		
		Nitrogen (total)	140	mg/L		
		Phosphorus (total)	46	mg/L		
		Sodium	690	mg/L		
		Sodium adsorption ratio	22			
		Total suspended solids	1100	mg/L		
		PH	7.55			
		Lab report number	N113524			
		Sampled date	31/12/2023			
		Lab received date	3/01/2024			
		Report received date	12/01/2024			
		Summary				



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Water & Land  EPA 6-Effluent quality & discharge volume monitoring from WWSD holding tank to utilisation areas 'The Ranch' and 'Grevillea'  Biochemical oxygen demand 2833 mg/L  Conductivity 3593 µS/cm  Faecal coliforms 100 cfu/100 ml  Nitrate 6.1 mg/L  Nitrogen (total) 130 mg/L  Phosphorus (total) 23 mg/L  Sodium 310 mg/L  Sodium 310 mg/L  Sodium 310 mg/L  Sodium 310 mg/L  Phe 7.55  Irrigation Days 7  Volume (Average) 354 kL/day  Volume (Min-Max) 560 - 2255 kL/day  Lab report number N113354  Sampled date 12/12/2023	<b>Monitoring Type</b>	<b>Monitoring Point</b>	Pollutant	Measurements	Unit	Limit	Frequency
utilisation areas 'The Ranch' and 'Grevillea'  Conductivity 3593 µS/cm  Faecal coliforms 100 cfu/100 ml  Nitrate 6.1 mg/L  Nitrogen (total) 130 mg/L  Phosphorus (total) 23 mg/L  Sodium 310 mg/L  Sodium 310 mg/L  Sodium 310 mg/L  Total suspended solids 1000 mg/L  PH 7.55  Irrigation Days 7  Volume (Average) 354 kL/day  Volume (Min-Max) 560 - 2255 kL/day  Lab report number N113354	Water & Land					none	Special frequency 1
Conductivity   3593   μS/cm   Faecal coliforms   100   cfu/100 ml   Nitrate   6.1   mg/L   Nitrogen (total)   130   mg/L   Phosphorus (total)   23   mg/L   Sodium   310   mg/L   Sodium adsorption ratio   10   Total suspended solids   1000   mg/L   PH   7.55   Irrigation Days   7   Volume (Average)   354   kL/day   Volume (Min-Max)   560 - 2255   kL/day   Lab report number   N113354		_	Biochemical oxygen demand	2833	mg/L		
Faecal coliforms       100       cfu/100 ml         Nitrate       6.1       mg/L         Nitrogen (total)       130       mg/L         Phosphorus (total)       23       mg/L         Sodium       310       mg/L         Sodium adsorption ratio       10       mg/L         Total suspended solids       1000       mg/L         PH       7.55       rrigation Days       7         Volume (Average)       354       kL/day         Volume (Min-Max)       560 - 2255       kL/day         Lab report number       N113354			Conductivity	3593	μS/cm		· -
Nitrogen (total)       130       mg/L         Phosphorus (total)       23       mg/L         Sodium       310       mg/L         Sodium adsorption ratio       10         Total suspended solids       1000       mg/L         PH       7.55         Irrigation Days       7         Volume (Average)       354       kL/day         Volume (Min-Max)       560 - 2255       kL/day         Lab report number       N113354			Faecal coliforms	100	cfu/100 ml		
Phosphorus (total)  Sodium  310  mg/L  Sodium adsorption ratio  10  Total suspended solids  1000  mg/L  PH  7.55  Irrigation Days  7  Volume (Average)  354  kL/day  Volume (Min-Max)  Lab report number  N113354			Nitrate	6.1	mg/L		
Sodium         310         mg/L           Sodium adsorption ratio         10           Total suspended solids         1000         mg/L           PH         7.55           Irrigation Days         7           Volume (Average)         354         kL/day           Volume (Min-Max)         560 - 2255         kL/day           Lab report number         N113354			Nitrogen (total)	130	mg/L		
Sodium adsorption ratio 10  Total suspended solids 1000 mg/L  PH 7.55  Irrigation Days 7  Volume (Average) 354 kL/day  Volume (Min-Max) 560 - 2255 kL/day  Lab report number N113354			Phosphorus (total)	23	mg/L		
Total suspended solids 1000 mg/L  PH 7.55  Irrigation Days 7  Volume (Average) 354 kL/day  Volume (Min-Max) 560 - 2255 kL/day  Lab report number N113354			Sodium	310	mg/L		
PH 7.55  Irrigation Days 7  Volume (Average) 354 kL/day  Volume (Min-Max) 560 - 2255 kL/day  Lab report number N113354			Sodium adsorption ratio	10			
Irrigation Days 7  Volume (Average) 354 kL/day  Volume (Min-Max) 560 - 2255 kL/day  Lab report number N113354			Total suspended solids	1000	mg/L		
Volume (Average) 354 kL/day  Volume (Min-Max) 560 - 2255 kL/day  Lab report number N113354			PH	7.55			
Volume (Min-Max) 560 - 2255 kL/day Lab report number N113354			Irrigation Days	7			
Lab report number N113354			Volume (Average)	354	kL/day		
			Volume (Min-Max)	560 - 2255	kL/day		
Sampled date 12/12/2023			Lab report number	N113354			
			Sampled date	12/12/2023			
Lab received date 14/01/2024			Lab received date	14/01/2024			
Report received date 30/01/2024			Report received date	30/01/2024			
<u>Summary</u>			Summary				



PO Box 123



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# **Environment Monitoring Report**

## December 2023

Bega NSW 2550 Australia

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