



Environment Monitoring Report

October 2018

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	31/10/2018				
		Lab received date					
		Report received date					
	<u>Summary</u>						
	EPA 22-Air emissions monitoring, main boiler PPU					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							



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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					
	EPA 7- Air emissions monitoring, DPU boiler Stack				0.25 g/m3	Yearly
	Lab report number Sampled date Lab received date Report received date <u>Summary</u>		31/10/2018			



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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				
		Lab received date				
		Report received date				
<p><u>Summary</u> Testing is conducted yearly and is not required this month</p>						



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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 <u>Summary</u> 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 <u>Summary</u> 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)	1355.4	kL/day		
		Volume (Min-Max)	1024.5 - 1602.2	kL/day		
		Sampled date	31/10/2018			
		<u>Summary</u>				



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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	790	µS/cm		
		Depth	3.60	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.65	mg/L		
		Phosphorus (total)	0.043	mg/L		
		PH	6.5			
		Available phosphorus	0.007	mg/L		
		Lab report number	N078462			
		Sampled date	16/10/2018			
		Lab received date	17/10/2018			
		Report received date	26/10/2018			
		<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	820	µS/cm		
		Depth	4.70	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.26	mg/L		
		Phosphorus (total)	0.096	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N078462			
		Sampled date	16/10/2018			
		Lab received date	17/10/2018			
		Report received date	26/10/2018			
		<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	1100	µS/cm		
		Depth	5.10	m		
		Nitrate	3.1	mg/L		
		Nitrogen (total)	0.21	mg/L		
		Phosphorus (total)	0.015	mg/L		
		PH	6.1			
		Available phosphorus	0.004	mg/L		
		Lab report number	N078462			
		Sampled date	16/10/2018			
		Lab received date	17/10/2018			
		Report received date	26/10/2018			
		<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	1500	µS/cm		
		Depth	5.10	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	2.1	mg/L		
		Phosphorus (total)	0.14	mg/L		
		PH	6.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N078462			
		Sampled date	16/10/2018			
		Lab received date	17/10/2018			
		Report received date	26/10/2018			
		<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	1200	µS/cm		
		Depth	6.40	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.74	mg/L		
		Phosphorus (total)	0.22	mg/L		
		PH	6.3			
		Available phosphorus	0.004	mg/L		
		Lab report number	N078462			
		Sampled date	16/10/2018			
		Lab received date	17/10/2018			
		Report received date	26/10/2018			
		<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	160	µS/cm		
		Depth	5.95	m		
		Nitrate	0.05	mg/L		
		Nitrogen (total)	0.92	mg/L		
		Phosphorus (total)	0.11	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N078462			
		Sampled date	16/10/2018			
		Lab received date	17/10/2018			
		Report received date	26/10/2018			
		<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
		Conductivity	1000	µS/cm		
		Depth	7.20	m		
		Nitrate	1.7	mg/L		
		Nitrogen (total)	0.32	mg/L		
		Phosphorus (total)	0.029	mg/L		
		PH	5.8			
		Available phosphorus	0.004	mg/L		
		Lab report number	N078462			
		Sampled date	16/10/2018			
		Lab received date	17/10/2018			
		Report received date	26/10/2018			
		<u>Summary</u>				



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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	2600	mg/L		
		Conductivity	3814	µS/cm		
		Faecal coliforms	332500	cfu/100 ml		
		Nitrate	14	mg/L		
		Nitrogen (total)	200	mg/L		
		Phosphorus (total)	57	mg/L		
		Sodium	865	mg/L		
		Sodium adsorption ratio	25			
		Total suspended solids	890	mg/L		
		PH	8			
		Lab report number	N078709			
		Sampled date	31/10/2018			
		Lab received date	1/11/2018			
		Report received date	9/11/2018			
<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	31/10/2018			
		Lab received date				
		Report received date				
		<u>Summary</u>				
		No irrigation from the sample point for October 2018				



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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