



Environment Monitoring Report

September 2017

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					
	Summary		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							
Summary		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					
	Summary		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							
Summary		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 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	30				
		Volume (Average)	1399	kL/day			
		Volume (Min-Max)	1122 - 1562	kL/day			
		Sampled date	30/09/2017				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	5	mg/L			
		Conductivity	900	µS/cm			
		Nitrate	0.01	mg/L			
PH		6.3					
Lab report number		N070619					
Sampled date		14/09/2017					
Lab received date		15/09/2017					
Report received date		25/09/2017					
<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	850	µS/cm		
		Depth	2.90	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.82	mg/L		
		Phosphorus (total)	0.023	mg/L		
		PH	6.7			
		Available phosphorus	0.007	mg/L		
		Lab report number	N070726			
		Sampled date	14/09/2017			
		Lab received date	15/09/2017			
		Report received date	28/09/2017			
		<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	1300	µS/cm		
		Depth	4.20	m		
		Nitrate	0.02	mg/L		
		Nitrogen (total)	0.22	mg/L		
		Phosphorus (total)	0.023	mg/L		
		PH	6.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N070726			
		Sampled date	14/09/2017			
		Lab received date	15/09/2017			
		Report received date	28/09/2017			
		<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	750	µS/cm		
		Depth	5.10	m		
		Nitrate	0.04	mg/L		
		Nitrogen (total)	0.53	mg/L		
		Phosphorus (total)	0.032	mg/L		
		PH	6.4			
		Available phosphorus	0.006	mg/L		
		Lab report number	N070726			
		Sampled date	14/09/2017			
		Lab received date	15/09/2017			
		Report received date	28/09/2017			
		<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)	2.4	mg/L		
		Phosphorus (total)	0.042	mg/L		
		PH	6.8			
		Available phosphorus	0.004	mg/L		
		Lab report number	N070726			
		Sampled date	14/09/2017			
		Lab received date	15/09/2017			
		Report received date	28/09/2017			
		<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	1300	µS/cm		
		Depth	6.45	m		
		Nitrate	0.13	mg/L		
		Nitrogen (total)	1.2	mg/L		
		Phosphorus (total)	0.064	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N070726			
		Sampled date	14/09/2017			
		Lab received date	15/09/2017			
		Report received date	28/09/2017			
		<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	200	µS/cm		
		Depth	6.00	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	1	mg/L		
		Phosphorus (total)	0.005	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N070726			
		Sampled date	14/09/2017			
		Lab received date	15/09/2017			
		Report received date	28/09/2017			
<u>Summary</u>						



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Water & Land	EPA 31 - 'Control' Groundwater monitoring point at Ubrihien farm west				none	Quarterly
		Lab report number				
		Sampled date	14/09/2017			
		Lab received date				
		Report received date				
		Summary		Insufficient water in bore to sample (dry bore)		



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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	3634	µS/cm		
		Faecal coliforms	13400000	cfu/100 ml		
		Nitrate	3.7	mg/L		
		Nitrogen (total)	170	mg/L		
		Phosphorus (total)	64	mg/L		
		Sodium	725	mg/L		
		Sodium adsorption ratio	23			
		Total suspended solids	820	mg/L		
		PH	7.31			
		Lab report number	N071043			
		Sampled date	30/09/2017			
		Lab received date	4/10/2017			
		Report received date	16/10/2017			
<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	30/09/2017			
		Lab received date				
		Report received date				
		<u>Summary</u>				
		No irrigation from this point for September 2017				



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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