



# Environment Monitoring Report

**September 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	
		Nitrogen Oxides	0.15	g/m3			
		Lab report number	R006493				
		Sampled date	11/09/2018				
		Lab received date					
		Report received date	8/10/2018				
		<b><u>Summary</u></b>					
	EPA 22-Air emissions monitoring, main boiler PPU					0.35 g/m3	Yearly
		Nitrogen Oxides	0.17	g/m3			
		Lab report number	R006493				
		Sampled date	11/09/2018				
		Lab received date					
		Report received date	8/10/2018				
		<b><u>Summary</u></b>					



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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	0.085	g/m3			
		Lab report number	R006493				
		Sampled date	13/09/2018				
		Lab received date					
		Report received date	8/10/2018				
	<b><u>Summary</u></b>						
	EPA 7- Air emissions monitoring, DPU boiler Stack					0.25 g/m3	Yearly
		Particulate matter	0.163	g/m3			
		Lab report number	R006493				
		Sampled date	13/09/2018				
		Lab received date					
Report received date		8/10/2018					
<b><u>Summary</u></b>							



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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	0.183	g/m3		
		Lab report number	R006493			
		Sampled date	13/09/2018			
		Lab received date				
		Report received date	8/10/2018			
<b><u>Summary</u></b>						



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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				
		<b>Summary</b>		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				
		<b>Summary</b>		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)	1358	kL/day			
		Volume (Min-Max)	957 - 1557	kL/day			
		Sampled date	30/09/2018				
	<b><u>Summary</u></b>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Lab report number					
		Sampled date	30/09/2018				
		Lab received date					
Report received date							
<b><u>Summary</u></b>							
No Sample available from this sample point as WWSD is not used due to ongoing dry weather 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	
		Depth	3.70	m			
		Lab report number					
		Sampled date					
		Lab received date					
		Report received date					
	<b>Summary</b>		Testing is conducted quarterly and is not required this month				
	EPA 26 - Groundwater monitoring point at 'The Ranch' fenceline					none	Quarterly
		Depth	4.85	m			
		Lab report number					
		Sampled date					
		Lab received date					
Report received date							
<b>Summary</b>		Testing is conducted quarterly and is not required this month					



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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	
		Depth	5.25	m			
		Lab report number					
		Sampled date					
		Lab received date					
		Report received date					
		<b>Summary</b>					
	Testing is conducted quarterly and is not required this month						
	EPA 28 - Groundwater monitoring point at Apps Farm near bridge					none	Quarterly
		Depth	5.20	m			
		Lab report number					
		Sampled date					
		Lab received date					
		Report received date					
<b>Summary</b>							
Testing is conducted quarterly and is not required this month							



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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	
		Depth	6.50	m			
		Lab report number					
		Sampled date					
		Lab received date					
		Report received date					
	<b>Summary</b>		Testing is conducted quarterly and is not required this month				
	EPA 30 - Groundwater monitoring point at Apps/Ubrihien farm south					none	Quarterly
		Depth	6.00	m			
		Lab report number					
		Sampled date					
		Lab received date					
Report received date							
<b>Summary</b>		Testing is conducted quarterly and is not required this month					





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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
		Depth	7.25	m		
		Lab report number				
		Sampled date				
		Lab received date				
		Report received date				
		<b>Summary</b>		Testing is conducted quarterly and is not required this month		



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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	2750	mg/L		
		Conductivity	4039	µS/cm		
		Faecal coliforms	33130000	cfu/100 ml		
		Nitrate	12	mg/L		
		Nitrogen (total)	220	mg/L		
		Phosphorus (total)	52	mg/L		
		Sodium	915	mg/L		
		Sodium adsorption ratio	25			
		Total suspended solids	1000	mg/L		
		PH	8			
		Lab report number	N078099			
		Sampled date	30/09/2018			
		Lab received date	3/10/2018			
		Report received date	11/10/2018			
<b><u>Summary</u></b>						



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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	30/09/2018			
		Lab received date				
		Report received date				
		<b><u>Summary</u></b>				
		No irrigation from the sample point for September 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