



# Environment Monitoring Report

**August 2016**

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					
	<b>Summary</b>		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							
<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	
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					
	<b>Summary</b>		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							
<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
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><b>Summary</b> 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 <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	31				
		Volume (Average)	1299	kL/day			
		Volume (Min-Max)	839 - 1637	kL/day			
		Sampled date	31/08/2016				
	<b><u>Summary</u></b>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	29	mg/L			
		Conductivity	1100	µS/cm			
		Nitrate	0.15	mg/L			
PH		6.4					
Lab report number		N062698					
Sampled date		24/08/2016					
Lab received date		25/08/2016					
Report received date		31/08/2016					
<b><u>Summary</u></b>							



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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	700	µS/cm		
		Depth	1.50	m		
		Nitrate	4.2	mg/L		
		Nitrogen (total)	1.3	mg/L		
		Phosphorus (total)	0.086	mg/L		
		PH	6.2			
		Available phosphorus	0.01	mg/L		
		Lab report number	N062792			
		Sampled date	24/08/2016			
		Lab received date	25/08/2016			
		Report received date	5/09/2016			
		<b><u>Summary</u></b>				



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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	1500	µS/cm		
		Depth	3.80	m		
		Nitrate	0.37	mg/L		
		Nitrogen (total)	0.9	mg/L		
		Phosphorus (total)	0.096	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N062792			
		Sampled date	24/08/2016			
		Lab received date	25/08/2016			
		Report received date	5/09/2016			
		<b><u>Summary</u></b>				



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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	1200	µS/cm		
		Depth	4.85	m		
		Nitrate	3.6	mg/L		
		Nitrogen (total)	4.2	mg/L		
		Phosphorus (total)	0.1	mg/L		
		PH	6.3			
		Available phosphorus	0.004	mg/L		
		Lab report number	N062792			
		Sampled date	24/08/2016			
		Lab received date	25/08/2016			
		Report received date	5/08/2016			
		<b><u>Summary</u></b>				





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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	980	µS/cm		
		Depth	4.75	m		
		Nitrate	0.13	mg/L		
		Nitrogen (total)	1.7	mg/L		
		Phosphorus (total)	0.07	mg/L		
		PH	6.7			
		Available phosphorus	0.004	mg/L		
		Lab report number	N062792			
		Sampled date	24/08/2016			
		Lab received date	25/08/2016			
		Report received date	5/09/2016			
		<b><u>Summary</u></b>				



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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	1100	µS/cm		
		Depth	6.10	m		
		Nitrate	0.07	mg/L		
		Nitrogen (total)	1	mg/L		
		Phosphorus (total)	0.61	mg/L		
		PH	5.9			
		Available phosphorus	0.004	mg/L		
		Lab report number	N062792			
		Sampled date	24/08/2016			
		Lab received date	25/08/2016			
		Report received date	5/09/2016			
		<b><u>Summary</u></b>				



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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	270	µS/cm		
		Depth	5.70	m		
		Nitrate	0.59	mg/L		
		Nitrogen (total)	1	mg/L		
		Phosphorus (total)	0.018	mg/L		
		PH	6.2			
		Available phosphorus	0.004	mg/L		
		Lab report number	N062792			
		Sampled date	24/08/2016			
		Lab received date	25/08/2016			
		Report received date	5/09/2016			
		<b><u>Summary</u></b>				



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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	1200	µS/cm		
		Depth	6.60	m		
		Nitrate	3.6	mg/L		
		Nitrogen (total)	4	mg/L		
		Phosphorus (total)	0.011	mg/L		
		PH	6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N062792			
		Sampled date	24/08/2016			
		Lab received date	25/08/2016			
		Report received date	5/09/2016			
		<b><u>Summary</u></b>				



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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	1700	mg/L		
		Conductivity	2125	µS/cm		
		Faecal coliforms	72475000	cfu/100 ml		
		Nitrate	13	mg/L		
		Nitrogen (total)	120	mg/L		
		Phosphorus (total)	51	mg/L		
		Sodium	530	mg/L		
		Sodium adsorption ratio	17			
		Total suspended solids	580	mg/L		
		PH	6.57			
		Lab report number	N062292			
		Sampled date	31/08/2016			
		Lab received date	1/09/2016			
		Report received date	13/09/2016			
<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	31/08/2016			
		Lab received date				
		Report received date				
		<b><u>Summary</u></b>		No discharge		



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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