



Environment Monitoring Report

September 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	
		Nitrogen Oxides	0.15	g/m3			
		Lab report number	R003490				
		Sampled date	20/09/2016				
		Lab received date	20/09/2016				
		Report received date	4/10/2016				
		<u>Summary</u>					
	EPA 22-Air emissions monitoring, main boiler PPU					0.35 g/m3	Yearly
		Nitrogen Oxides	0.19	g/m3			
		Lab report number	R0003490				
		Sampled date	20/09/2016				
		Lab received date	20/09/2016				
		Report received date	4/10/2016				
		<u>Summary</u>					



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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	0.09	g/m3			
		Lab report number	R0003499				
		Sampled date	20/09/2016				
		Lab received date	20/09/2016				
		Report received date	4/10/2016				
	<u>Summary</u>						
		EPA 7- Air emissions monitoring, DPU boiler Stack				0.25 g/m3	Yearly
			Particulate matter	0.14	g/m3		
			Lab report number	R003490			
			Sampled date	20/09/2016			
			Lab received date	20/09/2016			
Report received date			4/10/2016				
<u>Summary</u>							



BEGA CHEESE
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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				
		Summary				
		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				
		Summary				
		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)	1501	kL/day			
		Volume (Min-Max)	1152 - 1677	kL/day			
		Sampled date	30/09/2016				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	5	mg/L			
		Conductivity	880	µS/cm			
		Nitrate	0.04	mg/L			
PH		6.2					
Lab report number		N063540					
Sampled date		29/09/2016					
Lab received date		3/10/2016					
Report received date		12/10/2016					
<u>Summary</u>							
BOD and pH are indicative. The holding time specified by the test method was exceeded due to transport delays over public holidays.							



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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	690	µS/cm		
		Depth	1.40	m		
		Nitrate	1.4	mg/L		
		Nitrogen (total)	2.3	mg/L		
		Phosphorus (total)	0.029	mg/L		
		PH	6.6			
		Available phosphorus	0.016	mg/L		
		Lab report number	N063593			
		Sampled date	29/09/2016			
		Lab received date	3/10/2016			
		Report received date	12/10/2016			
		Summary				
BOD and pH are indicative. The holding time specified by the test method was exceeded due to transport delays over public holidays.						



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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	1100	µS/cm		
		Depth	3.70	m		
		Nitrate	0.1	mg/L		
		Nitrogen (total)	0.32	mg/L		
		Phosphorus (total)	0.019	mg/L		
		PH	6.5			
		Available phosphorus	0.006	mg/L		
		Lab report number	N063593			
		Sampled date	29/09/2016			
		Lab received date	3/10/2016			
		Report received date	12/10/2016			
		Summary				
BOD and pH are indicative. The holding time specified by the test method was exceeded due to transport delays over public holidays.						



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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	4.85	m		
		Nitrate	1.4	mg/L		
		Nitrogen (total)	1.8	mg/L		
		Phosphorus (total)	0.029	mg/L		
		PH	6.3			
		Available phosphorus	0.004	mg/L		
		Lab report number	N063593			
		Sampled date	29/09/2016			
		Lab received date	3/10/2016			
		Report received date	12/10/2016			
		Summary				
BOD and pH are indicative. The holding time specified by the test method was exceeded due to transport delays over public holidays.						



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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	940	µS/cm		
		Depth	4.80	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	1.7	mg/L		
		Phosphorus (total)	0.058	mg/L		
		PH	6.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N063593			
		Sampled date	29/09/2016			
		Lab received date	3/10/2016			
		Report received date	12/10/2016			
		Summary				
BOD and pH are indicative. The holding time specified by the test method was exceeded due to transport delays over public holidays.						



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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	6.15	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.92	mg/L		
		Phosphorus (total)	0.02	mg/L		
		PH	5.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N063593			
		Sampled date	29/09/2016			
		Lab received date	3/10/2016			
		Report received date	12/10/2016			
		Summary				
BOD and pH are indicative. The holding time specified by the test method was exceeded due to transport delays over public holidays.						



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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	240	µS/cm		
		Depth	5.75	m		
		Nitrate	0.14	mg/L		
		Nitrogen (total)	1.4	mg/L		
		Phosphorus (total)	0.13	mg/L		
		PH	6.3			
		Available phosphorus	0.004	mg/L		
		Lab report number	N063593			
		Sampled date	29/09/2016			
		Lab received date	3/10/2016			
		Report received date	12/10/2016			
		Summary				
BOD and pH are indicative. The holding time specified by the test method was exceeded due to transport delays over public holidays.						



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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	6.70	m		
		Nitrate	3.1	mg/L		
		Nitrogen (total)	3.8	mg/L		
		Phosphorus (total)	0.04	mg/L		
		PH	6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N063593			
		Sampled date	29/09/2016			
		Lab received date	3/10/2016			
		Report received date	12/10/2016			
Summary						
BOD and pH are indicative. The holding time specified by the test method was exceeded due to transport delays over public holidays.						



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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	3100	mg/L		
		Conductivity	2327	µS/cm		
		Faecal coliforms	144060000	cfu/100 ml		
		Nitrate	1	mg/L		
		Nitrogen (total)	210	mg/L		
		Phosphorus (total)	65	mg/L		
		Sodium	640	mg/L		
		Sodium adsorption ratio	20			
		Total suspended solids	1500	mg/L		
		PH	6.48			
		Lab report number	N063650			
		Sampled date	30/09/2016			
		Lab received date	5/10/2016			
		Report received date	14/10/2016			
<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	30/09/2016			
		Lab received date				
		Report received date				
		<u>Summary</u>				
		No discharge during September				



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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