



Environment Monitoring Report

July 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					
	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					



BEGA CHEESE
SINCE 1899

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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)	1204	kL/day			
		Volume (Min-Max)	408 - 1655	kL/day			
		Sampled date	31/07/2016				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	5	mg/L			
		Conductivity	770	µS/cm			
		Nitrate	0.01	mg/L			
PH		6.4					
Lab report number		N062067					
Sampled date		26/07/2016					
Lab received date		27/07/2016					
Report received date		2/08/2016					
<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	760	µS/cm		
		Depth	1.40	m		
		Nitrate	4.9	mg/L		
		Nitrogen (total)	5.7	mg/L		
		Phosphorus (total)	0.065	mg/L		
		PH	6.5			
		Available phosphorus	0.024	mg/L		
		Lab report number	N062192			
		Sampled date	26/07/2016			
		Lab received date	27/07/2016			
		Report received date	5/08/2016			
		<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	1400	µS/cm		
		Depth	3.65	m		
		Nitrate	0.34	mg/L		
		Nitrogen (total)	1.1	mg/L		
		Phosphorus (total)	0.11	mg/L		
		PH	6.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N062192			
		Sampled date	26/07/2016			
		Lab received date	27/07/2016			
		Report received date	5/08/2016			
		<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	940	µS/cm		
		Depth	4.65	m		
		Nitrate	1.8	mg/L		
		Nitrogen (total)	2.3	mg/L		
		Phosphorus (total)	0.019	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N062192			
		Sampled date	26/07/2016			
		Lab received date	27/07/2016			
		Report received date	5/08/2016			
		<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	860	µS/cm		
		Depth	4.65	m		
		Nitrate	1.2	mg/L		
		Nitrogen (total)	2.5	mg/L		
		Phosphorus (total)	0.082	mg/L		
		PH	6.6			
		Available phosphorus	0.005	mg/L		
		Lab report number	N062192			
		Sampled date	26/07/2016			
		Lab received date	27/07/2016			
		Report received date	5/08/2016			
		<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	5.90	m		
		Nitrate	0.04	mg/L		
		Nitrogen (total)	1.4	mg/L		
		Phosphorus (total)	0.71	mg/L		
		PH	6.3			
		Available phosphorus	0.004	mg/L		
		Lab report number	N062192			
		Sampled date	26/07/2016			
		Lab received date	27/07/2016			
		Report received date	5/08/2016			
		<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	300	µS/cm		
		Depth	5.40	m		
		Nitrate	1.2	mg/L		
		Nitrogen (total)	2.2	mg/L		
		Phosphorus (total)	0.3	mg/L		
		PH	6.4			
		Available phosphorus	0.005	mg/L		
		Lab report number	N062192			
		Sampled date	26/07/2016			
		Lab received date	27/07/2016			
		Report received date	5/08/2016			
		<u>Summary</u>				



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Water & Land	EPA 31 - 'Control' Groundwater monitoring point at Ubrihien farm west				none	Quarterly
		Conductivity	1000	µS/cm		
		Depth	6.60	m		
		Nitrate	2.2	mg/L		
		Nitrogen (total)	2.8	mg/L		
		Phosphorus (total)	1.5	mg/L		
		PH	6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N062192			
		Sampled date	26/07/2016			
		Lab received date	27/07/2016			
		Report received date	5/08/2016			
		<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	1850	mg/L		
		Conductivity	2389	µS/cm		
		Faecal coliforms	7742500	cfu/100 ml		
		Nitrate	1	mg/L		
		Nitrogen (total)	150	mg/L		
		Phosphorus (total)	34	mg/L		
		Sodium	420	mg/L		
		Sodium adsorption ratio	18			
		Total suspended solids	650	mg/L		
		PH	6.97			
		Lab report number	N062292			
		Sampled date	31/07/2016			
		Lab received date	31/07/2016			
		Report received date	10/08/2016			
<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	31/07/2016			
		Lab received date				
		Report received date				
		<u>Summary</u>				
		No discharge during July				



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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