



Environment Monitoring Report

April 2019

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
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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	
		Noise	45	dB(A)			
		Lab report number	191009_Rev2				
		Sampled date	1/04/2019				
		Report received date	2/07/2019				
	<u>Summary</u>						
	L3.3 - Noise emissions during day time at the most affected residential property					LA1(15 minute) 53 dB (A)	Yearly
		Noise	49	dB(A)			
		Lab report number	191009_Rev2				
		Sampled date	2/04/2019				
Report received date		2/07/2019					
<u>Summary</u>							



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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)	1248	kL/day			
		Volume (Min-Max)	394 - 1645	kL/day			
		Sampled date	30/04/2019				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	5	mg/L			
		Conductivity	870	µS/cm			
		Nitrate	0.005	mg/L			
PH		6.3					
Lab report number		N081918					
Sampled date		16/04/2019					
Lab received date		17/04/2019					
Report received date		26/04/2019					
<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	720	µS/cm		
		Depth	2.60	m		
		Nitrate	2.5	mg/L		
		Nitrogen (total)	3.1	mg/L		
		Phosphorus (total)	0.068	mg/L		
		PH	6.5			
		Available phosphorus	0.024	mg/L		
		Lab report number	N082005			
		Sampled date	16/04/2019			
		Lab received date	18/04/2019			
		Report received date	30/04/2019			
<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	900	µS/cm		
		Depth	4.20	m		
		Nitrate	0.11	mg/L		
		Nitrogen (total)	1.3	mg/L		
		Phosphorus (total)	0.16	mg/L		
		PH	6.5			
		Available phosphorus	0.005	mg/L		
		Lab report number	N082005			
		Sampled date	16/04/2019			
		Lab received date	18/04/2019			
		Report received date	30/04/2019			
		<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	170	µS/cm		
		Depth	5.00	m		
		Nitrate	0.26	mg/L		
		Nitrogen (total)	0.88	mg/L		
		Phosphorus (total)	0.23	mg/L		
		PH	6.7			
		Available phosphorus	0.004	mg/L		
		Lab report number	N082005			
		Sampled date	16/04/2019			
		Lab received date	18/04/2019			
		Report received date	30/04/2019			
		<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	1100	µS/cm		
		Depth	5.00	m		
		Nitrate	2.4	mg/L		
		Nitrogen (total)	2.8	mg/L		
		Phosphorus (total)	0.075	mg/L		
		PH	6.1			
		Available phosphorus	0.004	mg/L		
		Lab report number	N082005			
		Sampled date	16/04/2019			
		Lab received date	18/04/2019			
		Report received date	30/04/2019			
		<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	1400	µS/cm		
		Depth	6.30	m		
		Nitrate	6.6	mg/L		
		Nitrogen (total)	6.8	mg/L		
		Phosphorus (total)	0.043	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N082004			
		Sampled date	16/04/2019			
		Lab received date	17/04/2019			
		Report received date	30/04/2019			
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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	1600	µS/cm		
		Depth	5.70	m		
		Nitrate	0.005	mg/L		
		Nitrogen (total)	1.3	mg/L		
		Phosphorus (total)	0.22	mg/L		
		PH	6.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N082004			
		Sampled date	16/04/2019			
		Lab received date	17/04/2019			
		Report received date	30/04/2019			
		<u>Summary</u>				



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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	6.90	m		
		Nitrate	0.005	mg/L		
		Nitrogen (total)	0.62	mg/L		
		Phosphorus (total)	0.66	mg/L		
		PH	6.5			
		Available phosphorus	0.004	mg/L		
		Lab report number	N082004			
		Sampled date	16/04/2019			
		Lab received date	17/04/2019			
		Report received date	30/04/2019			
		<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	2200	mg/L		
		Conductivity	3626	µS/cm		
		Faecal coliforms	2166666	cfu/100 ml		
		Nitrate	1	mg/L		
		Nitrogen (total)	170	mg/L		
		Phosphorus (total)	43	mg/L		
		Sodium	895	mg/L		
		Sodium adsorption ratio	28			
		Total suspended solids	930	mg/L		
		PH	7.57			
		Lab report number	N082152			
		Sampled date	30/04/2019			
		Lab received date	1/05/2019			
		Report received date	7/05/2019			
<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
		Biochemical oxygen demand	1600	mg/L		
		Conductivity	4600	µS/cm		
		Faecal coliforms	2000000	cfu/100 ml		
		Nitrate	50	mg/L		
		Nitrogen (total)	150	mg/L		
		Phosphorus (total)	24	mg/L		
		Sodium	530	mg/L		
		Sodium adsorption ratio	17			
		Total suspended solids	460	mg/L		
		PH	7.35			
		Irrigation Days	2			
		Volume (Average)	45.96	kL/day		
		Volume (Min-Max)	0 - 712	kL/day		
		Lab report number				
		Sampled date	30/04/2019			
		Lab received date				
Report received date						
<u>Summary</u>						
Published in march 2019 cross over usage						



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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