



Environment Monitoring Report

April 2013

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 quarterly 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					
	<u>Summary</u>		Testing is conducted quarterly 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							
<u>Summary</u>		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 Lab received 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 Lab received 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	30				
		Volume (Average)	1302	kL/day			
		Volume (Min-Max)	567 - 1619	kL/day			
		Lab report number					
		Sampled date	30/04/2013				
		Lab received date					
		Report received date					
		Summary					
EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly	
		Lab report number					
		Sampled date	10/04/2013				
		Lab received date					
		Report received date					
		Summary					
No sub-surface water flow, no sample possible							



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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	924	µS/cm		
		Depth	2.60	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	1	mg/L		
		Phosphorus (total)	0.12	mg/L		
		PH	6.26			
		Available phosphorus	0.03	mg/L		
		Lab report number	N040239			
		Sampled date	10/04/2013			
		Lab received date	11/04/2013			
		Report received date	22/04/2013			
		<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	865	µS/cm		
		Depth	4.34	m		
		Nitrate	0.02	mg/L		
		Nitrogen (total)	0.31	mg/L		
		Phosphorus (total)	0.08	mg/L		
		PH	6.15			
		Available phosphorus	0.004	mg/L		
		Lab report number	N040239			
		Sampled date	10/04/2013			
		Lab received date	10/04/2013			
		Report received date	22/04/2013			
		<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	991	µS/cm		
		Depth	4.75	m		
		Nitrate	2.2	mg/L		
		Nitrogen (total)	3	mg/L		
		Phosphorus (total)	0.2	mg/L		
		PH	6.01			
		Available phosphorus	0.045	mg/L		
		Lab report number	N040239			
		Sampled date	10/04/2013			
		Lab received date	11/04/2013			
		Report received date	22/04/2013			
		<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	1914	µS/cm		
		Depth	4.88	m		
		Nitrate	0.001	mg/L		
		Nitrogen (total)	2	mg/L		
		Phosphorus (total)	0.25	mg/L		
		PH	6.51			
		Available phosphorus	0.004	mg/L		
		Lab report number	N040239			
		Sampled date	10/04/2013			
		Lab received date	11/04/2013			
		Report received date	30/04/2013			
		<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	5.95	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	1.2	mg/L		
		Phosphorus (total)	0.04	mg/L		
		PH	6.34			
		Available phosphorus	0.004	mg/L		
		Lab report number	N040315			
		Sampled date	17/04/2013			
		Lab received date	18/04/2013			
		Report received date	24/04/2013			
		<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	233	µS/cm		
		Depth	5.80	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	1.2	mg/L		
		Phosphorus (total)	0.37	mg/L		
		PH	6.77			
		Available phosphorus	0.18	mg/L		
		Lab report number	N040315			
		Sampled date	17/04/2013			
		Lab received date	18/04/2013			
		Report received date	24/04/2013			
		<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	810	µS/cm		
		Depth	6.23	m		
		Nitrate	2.2	mg/L		
		Nitrogen (total)	2.7	mg/L		
		Phosphorus (total)	0.02	mg/L		
		PH	5.52			
		Available phosphorus	0.004	mg/L		
		Lab report number	N040315			
		Sampled date	17/04/2013			
		Lab received date	18/04/2013			
		Report received date	24/04/2013			
		<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	3500	mg/L		
		Conductivity	2349	µS/cm		
		Faecal coliforms	24000000	cfu/100 ml		
		Nitrate	14	mg/L		
		Nitrogen (total)	160	mg/L		
		Phosphorus (total)	23	mg/L		
		Sodium	370	mg/L		
		Sodium adsorption ratio	11			
		Total suspended solids	940	mg/L		
		PH	7.24			
		Lab report number	N040558			
		Sampled date	30/04/2013			
		Lab received date	2/05/2013			
		Report received date	13/05/2013			
<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
		Irrigation Days	0			
		Volume (Average)	0	kL/day		
		Volume (Min-Max)	0 - 0	kL/day		
		Lab report number				
		Sampled date	30/04/2013			
		Lab received date				
		Report received date				
<u>Summary</u>						



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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