



Environment Monitoring Report

August 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 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				



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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>Summary 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)	932	kL/day			
		Volume (Min-Max)	206 - 1602	kL/day			
		Sampled date	31/08/2013				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	5	mg/L			
		Conductivity	1810	µS/cm			
		Nitrate	0.19	mg/L			
PH		6.35					
Lab report number		N042389					
Sampled date		21/08/2013					
Lab received date		22/08/2013					
Report received date		4/09/2013					
<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	975	µS/cm		
		Depth	2.80	m		
		Nitrate	0.038	mg/L		
		Nitrogen (total)	4	mg/L		
		Phosphorus (total)	0	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N042402			
		Sampled date	21/08/2013			
		Lab received date	22/08/2013			
		Report received date	4/09/2013			
<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	939	µS/cm		
		Depth	3.85	m		
		Nitrate	0.05	mg/L		
		Nitrogen (total)	3.2	mg/L		
		Phosphorus (total)	0	mg/L		
		PH	7.03			
		Available phosphorus	0.004	mg/L		
		Lab report number	N042402			
		Sampled date	21/08/2013			
		Lab received date	22/08/2013			
		Report received date	4/08/2013			
		<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	1071	µS/cm		
		Depth	4.70	m		
		Nitrate	3.3	mg/L		
		Nitrogen (total)	5.3	mg/L		
		Phosphorus (total)	0.35	mg/L		
		PH	7.11			
		Available phosphorus	0.004	mg/L		
		Lab report number	N042402			
		Sampled date	21/08/2013			
		Lab received date	22/08/2013			
		Report received date	4/08/2013			
		<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	2176	µS/cm		
		Depth	4.90	m		
		Nitrate	0.02	mg/L		
		Nitrogen (total)	0.02	mg/L		
		Phosphorus (total)	0.58	mg/L		
		PH	6.86			
		Available phosphorus	0.01	mg/L		
		Lab report number	N042402			
		Sampled date	21/08/2013			
		Lab received date	22/08/2013			
		Report received date	4/09/2013			
		<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	1213	µS/cm		
		Depth	5.90	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.92	mg/L		
		Phosphorus (total)	0.39	mg/L		
		PH	6.77			
		Available phosphorus	0.02	mg/L		
		Lab report number	N042442			
		Sampled date	27/08/2013			
		Lab received date	28/08/2013			
		Report received date	6/09/2013			
		<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	304	µS/cm		
		Depth	5.80	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	1.3	mg/L		
		Phosphorus (total)	0.36	mg/L		
		PH	6.93			
		Available phosphorus	0.03	mg/L		
		Lab report number	N042442			
		Sampled date	27/08/2013			
		Lab received date	28/08/2013			
		Report received date	6/09/2013			
		<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
		Lab report number				
		Sampled date				
		Lab received date				
		Report received date				
		<u>Summary</u>				
		Testing is conducted quarterly and is not required this month				



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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	2600	mg/L		
		Conductivity	2454	µS/cm		
		Faecal coliforms	2200000	cfu/100 ml		
		Nitrate	40	mg/L		
		Nitrogen (total)	190	mg/L		
		Phosphorus (total)	55	mg/L		
		Sodium	530	mg/L		
		Sodium adsorption ratio	15			
		Total suspended solids	880	mg/L		
		PH	6.52			
		Lab report number	N042526			
		Sampled date	31/08/2013			
		Lab received date	3/09/2013			
Report received date	11/09/2013					
<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
		Biochemical oxygen demand	1000	mg/L		
		Conductivity	2400	µS/cm		
		Faecal coliforms	9800000	cfu/100 ml		
		Nitrate	8	mg/L		
		Nitrogen (total)	98	mg/L		
		Phosphorus (total)	22	mg/L		
		Sodium	270	mg/L		
		Sodium adsorption ratio	10			
		Total suspended solids	230	mg/L		
		PH	5.5			
		Irrigation Days	12			
		Volume (Average)	699	kL/day		
		Volume (Min-Max)	421 - 1067	kL/day		
		Lab report number	N042451			
		Sampled date	29/08/2013			
		Lab received date	30/08/2013			
		Report received date	9/09/2013			
<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