



Environment Monitoring Report

July 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><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	10				
		Volume (Average)	876	kL/day			
		Volume (Min-Max)	418 - 1300	kL/day			
		Sampled date	31/07/2013				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	5	mg/L			
		Conductivity	1518	µS/cm			
		Nitrate	0.56	mg/L			
PH		5.74					
Lab report number		N041573					
Sampled date		3/07/2013					
Lab received date		4/07/2013					
Report received date		11/07/2013					
<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	948	µS/cm		
		Depth	2.60	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.64	mg/L		
		Phosphorus (total)	0.01	mg/L		
		PH	6.49			
		Available phosphorus	0.008	mg/L		
		Lab report number	N041614			
		Sampled date	1/07/2013			
		Lab received date	2/07/2013			
		Report received date	12/07/2013			
		<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	1019	µS/cm		
		Depth	3.77	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.33	mg/L		
		Phosphorus (total)	0	mg/L		
		PH	6.07			
		Available phosphorus	0.004	mg/L		
		Lab report number	N041614			
		Sampled date	1/07/2013			
		Lab received date	2/07/2013			
		Report received date	12/07/2013			
		<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	696	µS/cm		
		Depth	4.50	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.01	mg/L		
		Phosphorus (total)	0.24	mg/L		
		PH	6.64			
		Available phosphorus	0.004	mg/L		
		Lab report number	N041617			
		Sampled date	1/07/2013			
		Lab received date	2/07/2013			
		Report received date	12/07/2013			
		<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	1780	µS/cm		
		Depth	4.45	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	1	mg/L		
		Phosphorus (total)	0.19	mg/L		
		PH	6.55			
		Available phosphorus	0.004	mg/L		
		Lab report number	N041614			
		Sampled date	1/07/2013			
		Lab received date	2/07/2013			
		Report received date	12/07/2013			
		<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	1083	µS/cm		
		Depth	5.45	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	1	mg/L		
		Phosphorus (total)	0.58	mg/L		
		PH	6.54			
		Available phosphorus	0.004	mg/L		
		Lab report number	N041614			
		Sampled date	1/07/2013			
		Lab received date	2/07/2013			
		Report received date	12/07/2013			
		<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	247	µS/cm		
		Depth	5.18	m		
		Nitrate	0.04	mg/L		
		Nitrogen (total)	0.92	mg/L		
		Phosphorus (total)	0.3	mg/L		
		PH	6.69			
		Available phosphorus	0.18	mg/L		
		Lab report number	N041615			
		Sampled date	1/07/2013			
		Lab received date	2/07/2013			
		Report received date	12/07/2013			
		<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	880	µS/cm		
		Depth	6.05	m		
		Nitrate	2.2	mg/L		
		Nitrogen (total)	2.6	mg/L		
		Phosphorus (total)	0.1	mg/L		
		PH	5.93			
		Available phosphorus	0.004	mg/L		
		Lab report number	N041615			
		Sampled date	1/07/2013			
		Lab received date	2/07/2013			
		Report received date	12/07/2013			
		<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	3200	mg/L		
		Conductivity	2440	µS/cm		
		Faecal coliforms	1000000	cfu/100 ml		
		Nitrate	5	mg/L		
		Nitrogen (total)	160	mg/L		
		Phosphorus (total)	49	mg/L		
		Sodium	420	mg/L		
		Sodium adsorption ratio	12			
		Total suspended solids	1200	mg/L		
		PH	7.18			
		Lab report number	N042019			
		Sampled date	31/07/2013			
		Lab received date	2/08/2013			
		Report received date	13/08/2013			
<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	3200	mg/L				
		Conductivity	3200	µS/cm				
		Faecal coliforms	1000000	cfu/100 ml				
		Nitrate	5	mg/L				
		Nitrogen (total)	160	mg/L				
		Phosphorus (total)	49	mg/L				
		Sodium	420	mg/L				
		Sodium adsorption ratio	12					
		Total suspended solids	1200	mg/L				
		PH	4.8					
		Irrigation Days	29					
		Volume (Average)	1286	kL/day				
		Volume (Min-Max)	38 - 1893	kL/day				
		Lab report number	N042019					
		Sampled date	31/07/2013					
		Lab received date	2/08/2013					
		Report received date	13/08/2013					
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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