



Environment Monitoring Report

July 2014

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				
		Summary		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				
		Summary		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)	972.5	kL/day		
		Volume (Min-Max)	122.6 - 1586.9	kL/day		
		Sampled date	31/07/2014			
<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD				none	Quarterly
		Lab report number				
		Sampled date	31/07/2014			
		Lab received date				
		Report received date				
<u>Summary</u>						
Nil sample obtained due to: Nil water flow in sub-drain						



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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	980	µS/cm		
		Depth	2.18	m		
		Nitrate	0.02	mg/L		
		Nitrogen (total)	0.85	mg/L		
		Phosphorus (total)	0.14	mg/L		
		PH	6.8			
		Available phosphorus	0.041	mg/L		
		Lab report number	N048160			
		Sampled date	29/07/2014			
		Lab received date	30/07/2014			
		Report received date	12/08/2014			
		<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	1100	µS/cm		
		Depth	3.75	m		
		Nitrate	0.07	mg/L		
		Nitrogen (total)	0.43	mg/L		
		Phosphorus (total)	0.06	mg/L		
		PH	6.7			
		Available phosphorus	0.004	mg/L		
		Lab report number	N048160			
		Sampled date	29/07/2014			
		Lab received date	30/07/2014			
		Report received date	12/08/2014			
		<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	1100	µS/cm		
		Depth	4.78	m		
		Nitrate	3.2	mg/L		
		Nitrogen (total)	3.7	mg/L		
		Phosphorus (total)	0	mg/L		
		PH	6.3			
		Available phosphorus	0.004	mg/L		
		Lab report number	N048160			
		Sampled date	29/07/2014			
		Lab received date	30/07/2014			
		Report received date	12/08/2014			
		<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	1800	µS/cm		
		Depth	4.83	m		
		Nitrate	0.04	mg/L		
		Nitrogen (total)	1.7	mg/L		
		Phosphorus (total)	0.21	mg/L		
		PH	6.8			
		Available phosphorus	0.006	mg/L		
		Lab report number	N048160			
		Sampled date	29/07/2014			
		Lab received date	30/07/2014			
		Report received date	12/08/2014			
		<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	1300	µS/cm		
		Depth	5.85	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.72	mg/L		
		Phosphorus (total)	0.62	mg/L		
		PH	6.7			
		Available phosphorus	0.004	mg/L		
		Lab report number	N048131			
		Sampled date	28/07/2014			
		Lab received date	29/07/2014			
		Report received date	11/08/2014			
		<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	160	µS/cm		
		Depth	5.71	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.95	mg/L		
		Phosphorus (total)	0.45	mg/L		
		PH	6.9			
		Available phosphorus	0.25	mg/L		
		Lab report number	N048131			
		Sampled date	28/07/2014			
		Lab received date	29/07/2014			
		Report received date	11/08/2014			
		<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	860	µS/cm		
		Depth	5.95	m		
		Nitrate	0.001	mg/L		
		Nitrogen (total)	1.4	mg/L		
		Phosphorus (total)	0.09	mg/L		
		PH	6.1			
		Available phosphorus	0.004	mg/L		
		Lab report number	N048131			
		Sampled date	28/07/2014			
		Lab received date	29/07/2014			
		Report received date	11/08/2014			
		<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	2000	mg/L		
		Conductivity	2284	µS/cm		
		Faecal coliforms	15000000	cfu/100 ml		
		Nitrate	38	mg/L		
		Nitrogen (total)	160	mg/L		
		Phosphorus (total)	42	mg/L		
		Sodium	440	mg/L		
		Sodium adsorption ratio	13			
		Total suspended solids	660	mg/L		
		PH	5.64			
		Lab report number	N048159			
		Sampled date	31/07/2014			
		Lab received date	1/08/2014			
		Report received date	12/08/2014			
<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	4100	µS/cm		
		Faecal coliforms	100000	cfu/100 ml		
		Nitrate	2.1	mg/L		
		Nitrogen (total)	130	mg/L		
		Phosphorus (total)	46	mg/L		
		Sodium	480	mg/L		
		Sodium adsorption ratio	16			
		Total suspended solids	130	mg/L		
		PH	5.7			
		Irrigation Days	22			
		Volume (Average)	933	kL/day		
		Volume (Min-Max)	153.8 - 2100	kL/day		
		Lab report number	N047768			
		Sampled date	7/07/2014			
		Lab received date	8/07/2014			
		Report received date	16/04/2014			
<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