



Environment Monitoring Report

October 2017

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	
		Nitrogen Oxides	0.22	g/m3			
		Lab report number	R003728				
		Sampled date	23/10/2017				
		Lab received date					
		Report received date	7/12/2017				
		<u>Summary</u>					
	EPA 22-Air emissions monitoring, main boiler PPU					0.35 g/m3	Yearly
		Nitrogen Oxides	0.2	g/m3			
		Lab report number	R003728				
		Sampled date	23/10/2017				
		Lab received date					
		Report received date	7/12/2017				
		<u>Summary</u>					



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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
		Nitrogen Oxides	0.093	g/m3		
		Lab report number	R003728			
		Sampled date	24/10/2017			
		Lab received date				
		Report received date	7/12/2017			
		<u>Summary</u>				
Air	EPA 7- Air emissions monitoring, DPU boiler Stack				0.25 g/m3	Yearly
		Particulate matter	0.184	g/m3		
		Lab report number	R003728			
		Sampled date	24/10/2017			
		Lab received date				
		Report received date	7/12/2017			
		<u>Summary</u>				



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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
		Particulate matter	0.219	g/m3		
		Lab report number	R003728			
		Sampled date	23/10/2017			
		Lab received date				
		Report received date	7/12/2017			
<u>Summary</u>						



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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 quarterly 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)	1420	kL/day			
		Volume (Min-Max)	1181 - 1589	kL/day			
		Sampled date	31/10/2017				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Biochemical oxygen demand	5	mg/L			
		Conductivity	980	µS/cm			
		Nitrate	0.02	mg/L			
PH		6.6					
Lab report number		N071433					
Sampled date		24/10/2017					
Lab received date		25/10/2017					
Report received date		2/11/2017					
<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	850	µS/cm		
		Depth	3.30	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.96	mg/L		
		Phosphorus (total)	0.01	mg/L		
		PH	6.6			
		Available phosphorus	0.004	mg/L		
		Lab report number	N071431			
		Sampled date	24/10/2017			
		Lab received date	25/10/2017			
		Report received date	2/11/2017			
		<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	4.50	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.6	mg/L		
		Phosphorus (total)	0.015	mg/L		
		PH	6.7			
		Available phosphorus	0.004	mg/L		
		Lab report number	N071431			
		Sampled date	24/10/2017			
		Lab received date	25/10/2017			
		Report received date	2/11/2017			
		<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	750	µS/cm		
		Depth	5.20	m		
		Nitrate	0.04	mg/L		
		Nitrogen (total)	0.81	mg/L		
		Phosphorus (total)	0.019	mg/L		
		PH	6.5			
		Available phosphorus	0.008	mg/L		
		Lab report number	N071431			
		Sampled date	24/10/2017			
		Lab received date	25/10/2017			
		Report received date	2/11/2017			
		<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	1000	µS/cm		
		Depth	5.15	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	2.8	mg/L		
		Phosphorus (total)	0.073	mg/L		
		PH	6.8			
		Available phosphorus	0.004	mg/L		
		Lab report number	N071431			
		Sampled date	24/10/2017			
		Lab received date	25/10/2017			
		Report received date	2/11/2017			
		<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	970	µS/cm		
		Depth	6.40	m		
		Nitrate	0.1	mg/L		
		Nitrogen (total)	0	mg/L		
		Phosphorus (total)	0.011	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N071431			
		Sampled date	24/10/2017			
		Lab received date	25/10/2017			
		Report received date	2/11/2017			
		<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	170	µS/cm		
		Depth	5.95	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	1.3	mg/L		
		Phosphorus (total)	0.024	mg/L		
		PH	6.4			
		Available phosphorus	0.024	mg/L		
		Lab report number	N071431			
		Sampled date	24/10/2017			
		Lab received date	25/10/2017			
		Report received date	2/11/2017			
		<u>Summary</u>				



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Water & Land	EPA 31 - 'Control' Groundwater monitoring point at Ubrihien farm west				none	Quarterly
		Conductivity	930	µS/cm		
		Depth	7.10	m		
		Nitrate	3.7	mg/L		
		Nitrogen (total)	4.4	mg/L		
		Phosphorus (total)	0.038	mg/L		
		PH	6.3			
		Available phosphorus	0.004	mg/L		
		Lab report number	N071431			
		Sampled date	23/10/2017			
		Lab received date	24/10/2017			
		Report received date	2/11/2017			
		<u>Summary</u>				



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Water & Land	EPA 6-Effluent quality & discharge volume monitoring from WWSD holding tank to utilisation areas 'The Ranch' and 'Grevillea'				none	Special frequency 1
		Lab report number				
		Sampled date	31/10/2017			
		Lab received date				
		Report received date				
		<u>Summary</u>				
		No irrigation from this point for October 2017				



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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