



January 2014

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				0.35 g/m3	Yearly
	monitoring, back up boiler PPU	Lab report number				
		Sampled date				
		Lab received date				
		Report received date				
		<u>Summary</u>				
	EPA 22-Air emissions monitoring, main boiler PPU				0.35 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 r	nonth		





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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency	
Air	EPA 24 - Air emissions				0.35 g/m3	Yearly	
	monitoring, gas boiler stack DPU	Lab report number					
		Sampled date					
		Lab received date					
		Report received date					
		<u>Summary</u>					
	EPA 7- Air emissions monitoring, DPU boiler Stack	Testing is conducted yearly and is not required this month 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 r	nonth	·	·	



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Air EPA 8-Air emissions monitoring, Whey plant stack DPU	EPA 8-Air emissions monitoring, Whey plant stack				0.25 g/m3	Special frequency 2
	DPU	Lab report number	N044849			
	Sampled date					
		Lab received date				
		Report received date				
		Summary Testing is conducted yearly and	l is not required this i	month		



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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				LA10(15 minutes) 45dB (A)	Yearly
	property	Lab report number				
		Sampled date				
		Report received date				
		<u>Summary</u>				
	L3.3 - Noise emissions during day time at the most affected residential property	Testing is conducted yearly			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 r	month		



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from DPU to utilisation areas The Ranch, Wet Weather Storage Dam, Angeldale Apps Farm West, Apps Farm East, Apps Flat, Rockleigh, Ubrihien & Factory FlatsIrrigation Days31Volume (Average)1395kL/dayVolume (Min-Max)1070 - 1640kL/daySampled date31/01/2014Sampled dateSummarySummarySummary	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
The Ranch, Wet Weather Storage Dam, Angeldale Apps Farm West, Apps Farm East, Apps Flat, Rockleigh, Ubrihien & Factory FlatsIntrigation Days31EPA 23-Environmental monitoring subsurface drainage sump at WWSD<	from DPU to utilisation areas -				none	Daily
Storage Dam, Angeldale Apps Farm West, Apps Fart, Rockleigh, Ubrihien & Factory FlatsVolume (Average)1395kL/daySummary1070 - 1640kL/daySummarySampled date31/01/2014EPA 23-Environmental monitoring subsurface drainage sump at WWSDImage: SummaryEPA 23-Environmental monitoring subsurface drainage sump at WWSDImage: SummaryPH6.4Image: SummaryAmpled date23/01/2014Image: Summary		Irrigation Days	31	· · · · · · · · · · · · · · · · · · ·		
Apps Flat, Rockleigh, Ubrihien & Factory FlatsSource (nin mary Sampled date1010 1010 1010EPA 23-Environmental monitoring subsurface drainage sump at WWSDImage: Source (nin mary) Sampled dateImage: Source (nin mary) Sampled dateImage: Source (nin mary) Sampled dateEPA 23-Environmental monitoring subsurface drainage sump at WWSDImage: Source (nin mary) Sampled dateImage: Source (nin mary) Sampled dateImage: Source (nin mary) Sampled dateImage: Source (nin mary) Sampled datePH Lab report number0.04 N044852 Sampled dateImage: Source (nin mary) Sampled dateImage: Source (nin mary) Sampled dateImage: Source (nin mary) Sampled date		Volume (Average)	1395	kL/day		
& Factory FlatsSampled date31/01/2014EPA 23-Environmental monitoring subsurface drainage sump at WWSDImage: ConductivityImage: ConductivityOuartBiochemical oxygen demand5mg/LImage: ConductivityImage: ConductivityImage: ConductivityNitrate0.04mg/LImage: ConductivityImage: ConductivityImage: ConductivityImage: ConductivityNitrate0.04mg/LImage: ConductivityImage: ConductivityImage: ConductivityImage: ConductivityNitrate0.04mg/LImage: ConductivityImage: ConductivityImage: ConductivityImage: ConductivityImage: ConductivityNitrate0.04mg/LImage: ConductivityImage: ConductivityImage: ConductivityImage: ConductivityImage: ConductivityImage: ConductivityNitrate0.04mg/LImage: ConductivityImage: ConductivityImage: ConductivityImage: ConductivityImage: ConductivitySampled date23/01/2014Image: ConductivityImage:		Volume (Min-Max)	1070 - 1640	kL/day		
SummaryEPA 23-Environmental monitoring subsurface drainage sump at WWSDNoneQuartBiochemical oxygen demand5mg/LQuartConductivity1600μS/cmIncomeIncomeNitrate0.04mg/LIncomeIncomePH6.4IncomeIncomeIncomeLab report numberN044852IncomeIncomeIncomeSampled date23/01/2014IncomeIncomeIncome		Sampled date	31/01/2014			
monitoring subsurface drainage sump at WWSDBiochemical oxygen demand5mg/LConductivity1600μS/cmNitrate0.04mg/LPH6.41Lab report numberN0448521Sampled date23/01/20141		<u>Summary</u>				
monitoring subsurface drainage sump at WWSDBiochemical oxygen demand5mg/LConductivity1600μS/cmNitrate0.04mg/LPH6.41Lab report numberN0448521Sampled date23/01/20141						
monitoring subsurface drainage sump at WWSDBiochemical oxygen demand5mg/LConductivity1600μS/cmNitrate0.04mg/LPH6.41Lab report numberN0448521Sampled date23/01/20141						
sump at WWSDBiochemical Oxygen demandSIng/LConductivity1600μS/cmNitrate0.04mg/LPH6.41Lab report numberN044852Sampled date23/01/2014					none	Quarterly
Conductivity1600μS/cmNitrate0.04mg/LPH6.4Lab report numberN044852Sampled date23/01/2014		Biochemical oxygen demand	5	mg/L		
PH6.4Lab report numberN044852Sampled date23/01/2014		Conductivity	1600	μS/cm		
Lab report numberN044852Sampled date23/01/2014		Nitrate	0.04	mg/L		
Sampled date 23/01/2014		PH	6.4			
		Lab report number	N044852			
Lab received date 24/01/2014		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
Report received date 31/01/2014		Report received date	31/01/2014			
<u>Summary</u>		<u>Summary</u>				
		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 EPA 23-Environmental monitoring subsurface drainage	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 FlatsIrrigation Days Volume (Average) Volume (Min-Max) Sampled dateEPA 23-Environmental monitoring subsurface drainage sump at WWSDBiochemical oxygen demand Conductivity NitratePH Lab report number Sampled date Lab received dateLab received date	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 FlatsIrrigation Days31EPA 23-Environmental monitoring subsurface drainage sump at WWSD1070 - 1640 Sampled date31/01/2014Biochemical oxygen demand Onductivity5 Conductivity5 ConductivityPH6.4 Lab report number0.04 PHLab report number23/01/2014Lab received date24/01/2014	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 FlatsInrigation Days31Integration Storage Dam, Angeldale Apps (Volume (Average))Integration 1070 - 1640KL/dayEPA 23-Environmental monitoring subsurface drainage sump at WWSDImage Storage Dam, Angeldate Storage Dam, AngeldateImage Storage S	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 FlatsInfigation Days31Infigation Studene (Average)Infigation Studene (Min-Max)Inform Studene (Min-Max)<





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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 25 - 'Control' Groundwater				none	Quarterly
	monitoring point at corner of Daisy Hill & Buckajo Rd	Conductivity	940	μS/cm		
		Depth	2.40	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.71	mg/L		
		Phosphorus (total)	0.47	mg/L		
		PH	6.8			
		Available phophorus	0.02	mg/L		
		Lab report number	N044849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<u>Summary</u>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 26 - Groundwater				none	Quarterly
	monitoring point at 'The Ranch' fenceline	Conductivity	1000	μS/cm		
	Tencenne	Depth	3.95	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.35	mg/L		
		Phosphorus (total)	0.15	mg/L		
		PH	6.6			
		Available phophorus	0.15	mg/L		
		Lab report number	N044849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<u>Summary</u>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 27 - Groundwater				none	Quarterly
	monitoring point at Bega River crossing, Factory Flats	Conductivity	1100	μS/cm		
		Depth	4.70	m		
		Nitrate	1.7	mg/L		
		Nitrogen (total)	2.2	mg/L		
		Phosphorus (total)	0.04	mg/L		
		РН	6.4			
		Available phophorus	0.004	mg/L		
		Lab report number	N044849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<u>Summary</u>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 28 - Groundwater				none	Quarterly
	monitoring point at Apps Farm near bridge	Conductivity	1300	μS/cm		
		Depth	4.90	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	2.1	mg/L		
		Phosphorus (total)	0.18	mg/L		
		РН	6.7			
		Available phophorus	0.18	mg/L		
		Lab report number	N044849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<u>Summary</u>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 29 - Groundwater				none	Quarterly
	monitoring point at Apps Farm, east river flats	Conductivity	1100	μS/cm		
		Depth	5.90	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.91	mg/L		
		Phosphorus (total)	0.34	mg/L		
		PH	6.7			
		Available phophorus	0.34	mg/L		
		Lab report number	N0444849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<u>Summary</u>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 30 - Groundwater				none	Quarterly
	monitoring point at Apps/Ubrihien farm south	Conductivity	230	μS/cm		
	Apps/obtimentarin south	Depth	5.80	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	1.1	mg/L		
		Phosphorus (total)	0.08	mg/L		
		РН	6.6			
		Available phophorus	0.005	mg/L		
		Lab report number	N044849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<u>Summary</u>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 31 - 'Control' Groundwater				none	Quarterly
	monitoring point at Ubrihien farm west	Conductivity	910	μS/cm		
		Depth	6.20	m		
		Nitrate	1.4	mg/L		
		Nitrogen (total)	1.8	mg/L		
		Phosphorus (total)	0.14	mg/L		
		PH	6.3			
		Available phophorus	0.004	mg/L		
		Lab report number	N044849			
		Sampled date	23/01/2014			
		Lab received date	24/01/2014			
		Report received date	31/01/2014			
		<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	1900	mg/L		
		Conductivity	2594	μS/cm		
		Faecal coliforms	12000000	cfu/100 ml		
		Nitrate	1	mg/L		
		Nitrogen (total)	110	mg/L		
		Phosphorus (total)	41	mg/L		
		Sodium	540	mg/L		
		Sodium adsorption ratio	16			
		Total suspended solids	660	mg/L		
		PH	5.53			
		Lab report number	N045051			
		Sampled date	31/01/2014			
		Lab received date	5/02/2014			
		Report received date	17/02/2014			
		<u>Summary</u>				

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Environment Monitoring Report

January 2014

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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	300	mg/L		
		Conductivity	2200	μS/cm		
		Faecal coliforms	10000	cfu/100 ml		
		Nitrate	1	mg/L		
		Nitrogen (total)	84	mg/L		
		Phosphorus (total)	25	mg/L		
		Sodium	230	mg/L		
		Sodium adsorption ratio	8.2			
		Total suspended solids	320	mg/L		
		PH	7.5			
		Irrigation Days	25			
		Volume (Average)	1406	kL/day		
		Volume (Min-Max)	1070 - 1602	kL/day		
		Lab report number	N044987			
		Sampled date	28/01/2014			
		Lab received date	29/01/2014			
		Report received date	12/02/2014			
		<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	