

Appendix 11

Water and Property Summary Tables



DAIRY SHED DAILY WATER REQUIREMENTS

Summary of Effluent Plan Daily Water Use Calculations	Existing system	Proposed system	Difference (existing to proposed)
Cows	780	1,000	+220
Dam water			
Vat Wash	1,500	1,500	0
Plant Wash	3,000	3,000	0
Plate Cooler – NA (recycled)	0	0	0
Rotary platform spray 1	14,850	40,500	+25,650
Rotary Hose 2 (cups)	0	27,000	+27,000
Rotary hose 3 (bottom)	0	20,250	+20,250
Dairy shed and top yard wet up	2,400	3,000	+600
Dairy shed hose (during milking)	2,640	4,500	+1,860
Dairy shed hoses – end of milking, Top of yard	4,800	9,000	+4,200
Small hand held hoses in Dairy	36	180	+144
Yard Blasters	7,920	7,920	0
Calf milk washdown area	240	600	+360
Calf shed hose down (4 times/year)		11	+11
Cheese processing facility water	357	357	0
Total Dam use	30,743	117,818	+80,075
Recycle Flood Wash			
Dairy	0	0	0
Loose housing feed lane	0	160,000	NA
Feed Pad	0	0	0
Total Flood Wash	258,980	430,176	161,326
Grand Total	0.04ML	0.28ML	+0.24ML


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HOUSING SYSTEM DAILY WATER REQUIREMENTS

Month	Days	% of total	L/Lactating Cow Day	Monthly Requirement Facility 1 (ML)	Monthly Requirement Maternity (ML)	Total Drinking (ML)	Total Daily Requirements at capacity (L)	Total Monthly Requirement (ML)
Jan	31	100%	183	5.7	0.06	5.73	184,846	5.7
Feb	28	95%	174	4.9	0.05	4.92	175,604	4.9
Mar	31	85%	156	4.8	0.05	4.87	157,119	4.9
Apr	30	85%	156	4.7	0.05	4.71	157,119	4.7
May	31	85%	156	4.8	0.05	4.87	157,119	4.9
June	30	85%	156	4.7	0.05	4.71	157,119	4.7
July	31	85%	156	4.8	0.05	4.87	157,119	4.9
Aug	31	85%	156	4.8	0.05	4.87	157,119	4.9
Sep	30	85%	156	4.7	0.05	4.71	157,119	4.7
Oct	31	85%	156	4.8	0.05	4.87	157,119	4.9
Nov	30	95%	174	5.2	0.05	5.27	175,604	5.3
Dec	31	100%	183	5.7	0.06	5.73	184,846	5.7
Total	365			59.5	0.60	60.14	1,977,852	60.1


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TOTAL WATER USE

Month	Days	Drinking water (ML)	Dairy Shed (ML)	Recycled Flood Wash	% Fresh contribution
Jan	31	5.73	3.65	8.61	29.8%
Feb	28	4.92	3.30	7.78	29.8%
Mar	31	4.87	3.65	8.61	29.8%
Apr	30	4.71	3.53	8.33	29.8%
May	31	4.87	3.65	8.61	29.8%
June	30	4.71	3.53	8.33	29.8%
July	31	4.87	3.65	8.61	29.8%
Aug	31	4.87	3.65	8.61	29.8%
Sep	30	4.71	3.53	8.33	29.8%
Oct	31	4.87	3.65	8.61	29.8%
Nov	30	5.27	3.53	8.33	29.8%
Dec	31	5.73	3.65	8.61	29.8%
Total	365	60.1	43.00	101.4	30%



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PROPERTY AND AREA SUMMARIES

OWNED LAND

Address	Property ID	Title	Project Related Activities	Locality	Planning Zone	Area (Ha)
106 Bream Creek Rd, Bream Creek	3370752	156894/1	Application area	Bream Creek	Rural	43.9
		35298/1	Loose housing shed & pad			
		35297/2	Effluent pond 1, 2 &3, Existing dairy and part loose housing shed & pad			
124 Bream Creek Rd, Bream Creek	2179649	106067/2 106069/1	Effluent pond 3	Bream Creek	Rural	16.6
247 Burnt Hill Rd, Bream Creek	3370779	138933/1	Application area	Bream Creek	Rural	2.5
198 Burnt Hill Rd, Bream Creek	7873947	156893/1 107420/1 106067/1 106068/1 36107/1 65104/1 106412/3 53479/3 53479/1 36176/1 151068/1 156892/1	Application area	Bream Creek	Rural; Agriculture	202.8
51 Bream Creek Rd, Bream Creek	5960959	53774/4 37042/2 37042/3 36341/4 36107/1	Application area	Bream Creek	Rural; Agriculture	169.2
		100903/1	Loose housing shed and silage area, Application			
		37042/1 46004/1 53774/1 37042/4 53774/2 235982/1 238854/1	Application area			



Address	Property ID	Title	Project Related Activities	Locality	Planning Zone	Area (Ha)
		155706/2				
12 Townsend Land, Copping	3192124	127848/1 127849/1 241387/1	Application area	Copping	Agriculture	145.6
460 Marion Bay Rd, Marion Bay	3370752	161908/1	Application area	Marion Bay	Agriculture	60.9
Total						641.5

LEASED LAND

Address	Property ID	Title	Project Related Activities	Locality	Planning Zone	Area (Ha)
212 Marion Bay Rd, Bream Creek	5960991	147764/1		Bream Creek	Rural; Agriculture	58.0
234 Marion Bay Rd, Bream Creek	7544481	35026/2		Bream Creek	Rural	55.6
225 Marchweil Rd Bream Creek	3081213	159559/2		Bream Creek	Environmental Management; Agriculture	273.7
Total						387.3



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