



December 2017

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 | | | | |
| | | <u>Summary</u> | | | | |
| | EPA 22-Air emissions | Testing is conducted yearly | and is not required this r | nonth | 0.35 g/m3 | Yearly |
| | monitoring, main boiler PPU | Lab report number | | | | |
| | | Sampled date | | | | |
| | | Lab received date | · · · · · · · · · · · · · · · · · · · | | | |
| | | Report received date | | | | |
| | | Summary 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 | | | 0.25 g/m3 | Yearly |
| | | Lab report number | | | | T |
| | | 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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BEGA CHEESE SINCE 1899

| Monitoring Type | Monitoring Point | Pollutant | Measurements | Unit | Limit | Frequency |
|-----------------|--|--|------------------------|-------|-----------|------------------------|
| | 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 | | | | |
| | | Summary Testing is conducted yearly and | l is not required this | 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 property | | | | LA10(15 minutes) 45dB (A) | Yearly | |
| | | 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 | nonth | | | |



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| 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 Irrigation Days 31 Image: Construction of | rom DPU to utilisation areas - he Ranch, Wet Weather torage Dam, Angeldale Apps arm West, Apps Farm East, apps Flat, Rockleigh, Ubrihien Factory Flats | Volume (Average) Volume (Min-Max) Sampled date | 1361 1115 - 1720 | + - | none | Daily |
|---|---|--|---|---|---|---|
| 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 WWSDEBiochemical oxygen demand5mg/LBiochemical oxygen demand5.1mg/LNitrate5.1mg/LPH6.3Lab report numberN072715Sampled date19/12/2017Lab report number19/12/2017Lab received dateSampled date29/01/20181 | he Ranch, Wet Weather torage Dam, Angeldale Apps arm West, Apps Farm East, pps Flat, Rockleigh, Ubrihien Factory Flats | Volume (Average) Volume (Min-Max) Sampled date | 1361 1115 - 1720 | + - | | |
| Storage Dam, Angeldale Apps Farm West, Apps Fart, Rockleigh, Ubrihien & Factory FlatsVolume (Average)1361kL/day& Factory FlatsVolume (Min-Max)1115 - 1720kL/dayEPA 23-Environmental monitoring subsurface drainage sump at WWSDMoneSampled date31/12/2017Biochemical oxygen demand Conductivity5mg/LQuarterlyPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH6.3Img/LImg/LPH19/12/2017Img/LImg/LPH19/12/2017Img/LImg/LPH19/12/2017Img/LImg/LPH19/12/2017Img/LImg/LPH19/12/2017Img/LImg/LPH10/12/2017Img/LImg/LPH10/12/2017Img/LImg/LPH10/12/2017Img/LImg/LPH10/12/2017Img | torage Dam, Angeldale Apps arm West, Apps Farm East, apps Flat, Rockleigh, Ubrihien Factory Flats | Volume (Min-Max) Sampled date | 1115 - 1720 | + - | | |
| Apps Flat, Rockleigh, Ubrihien & Factory FlatsSampled date31/12/2017EPA 23-Environmental monitoring subsurface drainage sump at WWSDNoneQuarterlyBiochemical oxygen demand Conductivity5mg/LQuarterlyNitrate5.1mg/L1000000000000000000000000000000000000 | pps Flat, Rockleigh, Ubrihien Factory Flats | Sampled date | | kL/day | | |
| & Factory FlatsSampled date31/12/2017EPA 23-Environmental monitoring subsurface drainage sump at WWSDnoneQuarterlyBiochemical oxygen demand Conductivity5mg/LNitrate5.1mg/LPH6.3Lab report numberN072715Sampled date19/12/2017Lab received date20/12/2017Lab received date29/01/2018 | Factory Flats | | 31/12/2017 | | | |
| SummaryEPA 23-Environmental monitoring subsurface drainage sump at WWSDNoneQuarterlyBiochemical oxygen demand5mg/LConductivityNitrate5.1mg/LConductivityNitrate5.1mg/LConductivityPH6.3ConductivityConductivityLab report numberN072715ConductivitySampled date19/12/2017ConductivityLab received date20/12/2017ConductivityReport received date29/01/2018Conductivity | | <u>Summary</u> | | <u> </u> | | |
| monitoring subsurface drainage sump at WWSDBiochemical oxygen demand5mg/LBiochemical oxygen demand5mg/LConductivity810μS/cmNitrate5.1mg/LPH6.31Lab report numberN0727151Sampled date19/12/20171Lab received date20/12/20171Report received date29/01/20181 | | | | | | |
| monitoring subsurface drainage sump at WWSDBiochemical oxygen demand5mg/LBiochemical oxygen demand5mg/LConductivity810μS/cmNitrate5.1mg/LPH6.31Lab report numberN0727151Sampled date19/12/20171Lab received date20/12/20171Report received date29/01/20181 | | | | | | |
| sump at WWSD Sochemical oxygen demailed 5 mig/L Conductivity Nitrate 5.1 mg/L PH 6.3 Lab report number N072715 Sampled date 19/12/2017 Lab received date 20/12/2017 Report received date 29/01/2018 | monitoring subsurface drainage sump at WWSD | | | | none | Quarterly |
| Conductivity810μS/cmNitrate5.1mg/LPH6.3Lab report numberN072715Sampled date19/12/2017Lab received date20/12/2017Report received date29/01/2018 | | Biochemical oxygen demand | 5 | mg/L | | |
| PH6.3Lab report numberN072715Sampled date19/12/2017Lab received date20/12/2017Report received date29/01/2018 | | Conductivity | 810 | μS/cm | | |
| Lab report numberN072715Sampled date19/12/2017Lab received date20/12/2017Report received date29/01/2018 | | Nitrate | 5.1 | mg/L | | |
| Sampled date19/12/2017Lab received date20/12/2017Report received date29/01/2018 | | РН | 6.3 | | | |
| Lab received date20/12/2017Report received date29/01/2018 | | Lab report number | N072715 | | | |
| Report received date 29/01/2018 | | Sampled date | 19/12/2017 | | | |
| | | Lab received date | 20/12/2017 | | | |
| Summary | | Report received date | 29/01/2018 | | | |
| | | <u>Summary</u> | | | | |
| | | | | | | |
| | าง | onitoring subsurface drainage | onitoring subsurface drainage mp at WWSD Biochemical oxygen demand Conductivity Nitrate PH Lab report number Sampled date Lab received date Report received date | Denitoring subsurface drainage mp at WWSDBiochemical oxygen demand5Conductivity810Nitrate5.1PH6.3Lab report numberN072715Sampled date19/12/2017Lab received date20/12/2017Report received date29/01/2018 | Denitoring subsurface drainage mp at WWSDBiochemical oxygen demand5mg/LConductivity810μS/cmNitrate5.1mg/LPH6.31Lab report numberN072715Sampled date19/12/2017Lab received date20/12/2017Report received date29/01/2018 | Denitoring subsurface drainage mp at WWSDBiochemical oxygen demand5mg/LConductivity810μS/cmNitrate5.1mg/LPH6.31Lab report numberN072715Sampled date19/12/2017Lab received date20/12/2017Report received date29/01/2018 |





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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 | 850 | μS/cm | | |
| | | Depth | 3.05 | m | | |
| | | Nitrate | 0.01 | mg/L | | |
| | Nitrogen (total) | 0.71 | mg/L | | | |
| | | Phosphorus (total) | 0.031 | mg/L | | |
| | | PH | 6.6 | | | |
| | | Available phophorus | 0.007 | mg/L | | |
| | | Lab report number | N072818 | | | |
| | | Sampled date | 19/12/2017 | | | |
| | | Lab received date | 20/12/2017 | | | |
| | | Report received date | 5/01/2018 | | | |
| | | <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 | 860 | μS/cm | | |
| | Tencenne | Depth | 4.25 | m | | |
| | | Nitrate | 0.03 | mg/L | | |
| | | Nitrogen (total) | 0.04 | mg/L | | |
| | | Phosphorus (total) | 0.036 | mg/L | | |
| | | РН | 6.6 | | | |
| | | Available phophorus | 0.004 | mg/L | | |
| | | Lab report number | N072818 | | | |
| | | Sampled date | 19/12/2017 | | | |
| | | Lab received date | 20/12/2017 | | | |
| | | Report received date | 5/01/2018 | | | |
| | | <u>Summary</u> | | | | |





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EPA Licence number: 1511

| 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 | 620 | μS/cm | | |
| | | Depth | 5.00 | m | | |
| | | Nitrate | 0.3 | mg/L | | |
| | | Nitrogen (total) | 0.62 | mg/L | | |
| | | Phosphorus (total) | 0.022 | mg/L | | |
| | | РН | 6.5 | | | |
| | | Available phophorus | 0.004 | mg/L | | |
| | | Lab report number | N072818 | | | |
| | | Sampled date | 19/12/2017 | | | |
| | | Lab received date | 20/12/2017 | | | |
| | | Report received date | 5/01/2018 | | | |
| | | <u>Summary</u> | | | | |

Page 8 of 15



December 2017

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EPA Licence number: 1511

| Monitoring Type | Monitoring Point | Pollutant | Measurements | Unit | Limit | Frequency |
|-----------------|---|----------------------|--------------|-------|-------|-----------|
| Water & Land | EPA 28 - Groundwater | | | | none | Quarterly |
| | monitoring point at Apps Farm near bridge | Conductivity | 1400 | μS/cm | | |
| | | Depth | 4.95 | m | | |
| | | Nitrate | 0.01 | mg/L | | |
| | | Nitrogen (total) | 1.7 | mg/L | | |
| | | Phosphorus (total) | 0.11 | mg/L | | |
| | | РН | 6.7 | | | |
| | | Available phophorus | 0.004 | mg/L | | |
| | | Lab report number | N072818 | | | |
| | | Sampled date | 19/12/2017 | | | |
| | | Lab received date | 20/12/2017 | | | |
| | | Report received date | 5/01/2018 | | | |
| | | <u>Summary</u> | | | | |

Page 9 of 15





December 2017

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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 | 1600 | μS/cm | | |
| | | Depth | 6.20 | m | | |
| | | Nitrate | 0.01 | mg/L | | |
| | | Nitrogen (total) | 0.73 | mg/L | | |
| | | Phosphorus (total) | 0.11 | mg/L | | |
| | | РН | 6.4 | | | |
| | | Available phophorus | 0.004 | mg/L | | |
| | | Lab report number | N072818 | | | |
| | | Sampled date | 19/12/2017 | | | |
| | | Lab received date | 20/12/2017 | | | |
| | | Report received date | 5/01/2018 | | | |
| | | <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 | 270 | μS/cm | | |
| | Apps/ obtimentarin south | Depth | 5.60 | m | | |
| | | Nitrate | 0.26 | mg/L | | |
| | | Nitrogen (total) | 1.1 | mg/L | | |
| | | Phosphorus (total) | 0.01 | mg/L | | |
| | | РН | 6.4 | | | |
| | | Available phophorus | 0.004 | mg/L | | |
| | | Lab report number | N072818 | | | |
| | | Sampled date | 19/12/2017 | | | |
| | | Lab received date | 20/12/2017 | · · · · · · · · · · · · · · · · · · · | | |
| | | Report received date | 5/01/2018 | · · · · · · · · · · · · · · · · · · · | | |
| | | <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 | 1100 | μS/cm | | |
| | | Depth | 6.75 | m | | |
| | | Nitrate | 2 | mg/L | | |
| | | Nitrogen (total) | 2.6 | mg/L | | |
| | | Phosphorus (total) | 0.023 | mg/L | | |
| | | РН | 6 | | | |
| | | Available phophorus | 0.004 | mg/L | | |
| | | Lab report number | N072818 | | | |
| | | Sampled date | 19/12/2017 | | | |
| | | Lab received date | 20/12/2017 | | | |
| | | Report received date | 5/01/2018 | | | |
| | | <u>Summary</u> | | | | |

BEGA CHEESE SINCE 1899



Environment Monitoring Report

December 2017

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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 | 3400 | mg/L | | |
| | | Conductivity | 4081.9 | μS/cm | | |
| | | Faecal coliforms | 53000000 | cfu/100 ml | | |
| | | Nitrate | 15 | mg/L | | |
| | | Nitrogen (total) | 230 | mg/L | | |
| | | Phosphorus (total) | 58 | mg/L | | |
| | | Sodium | 780 | mg/L | | |
| | | Sodium adsorption ratio | 23 | | | |
| | | Total suspended solids | 1300 | mg/L | | |
| | | PH | 6.67 | | | |
| | | Lab report number | N072864 | | | |
| | | Sampled date | 31/12/2017 | | | |
| | | Lab received date | 3/01/2018 | | | |
| | | Report received date | 11/01/2018 | | | |
| | | <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 |
| | | Lab report number | | | | 1 |
| | | Sampled date | 31/12/2017 | | | |
| | | Lab received date | | | | |
| | | Report received date | | | | |
| | | <u>Summary</u> No irrigation from this point | for December 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 | quency 2Annual 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 | | | |