



# Environment Monitoring Report

**July 2022**

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                                       |                                                            |      |           |           |        |
|                      | <b>Summary</b>                                      |                                                            | 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 |                                                     |                                                            |                                                            |      |           |           |        |
| <b>Summary</b>       |                                                     | 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 |                                                            |      |           |           |        |
|                      | <b>Summary</b>                                          |                      | Testing is conducted yearly and is not required this month |      |           |           |        |
|                      | EPA 7- Air emissions monitoring, DPU boiler Stack       |                      |                                                            |      |           | 0.25 g/m3 | Yearly |
|                      |                                                         | Particulate matter   | 0.16                                                       |      | g/m3      |           |        |
|                      |                                                         | Lab report number    | R012963                                                    |      |           |           |        |
|                      |                                                         | Sampled date         | 7/07/2022                                                  |      |           |           |        |
| Lab received date    |                                                         |                      |                                                            |      |           |           |        |
| Report received date |                                                         |                      |                                                            |      |           |           |        |
| <b>Summary</b>       |                                                         |                      |                                                            |      |           |           |        |



**BEGA CHEESE**  
SINCE 1899

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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    | 0.29         | g/m3 |           |                     |
|                 |                                                      | Lab report number     | R012963      |      |           |                     |
|                 |                                                      | Sampled date          | 8/07/2022    |      |           |                     |
|                 |                                                      | Lab received date     |              |      |           |                     |
|                 |                                                      | Report received date  |              |      |           |                     |
|                 |                                                      | <b><u>Summary</u></b> |              |      |           |                     |



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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                                                         |              |      |                           |           |
|                 |                                                                                                  | <b>Summary</b><br>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                                                         |              |      |                           |           |
|                 |                                                                                                  | <b>Summary</b><br>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)          | 1028         | kL/day |       |           |           |
|                       |                                                                                                                                                                                        | Volume (Min-Max)          | 290 - 1281   | kL/day |       |           |           |
|                       |                                                                                                                                                                                        | Sampled date              | 31/07/2022   |        |       |           |           |
|                       | <b><u>Summary</u></b>                                                                                                                                                                  |                           |              |        |       |           |           |
|                       | EPA 23-Environmental monitoring subsurface drainage sump at WWSD                                                                                                                       |                           |              |        |       | none      | Quarterly |
|                       |                                                                                                                                                                                        | Biochemical oxygen demand | 5            | mg/L   |       |           |           |
|                       |                                                                                                                                                                                        | Conductivity              | 920          | µS/cm  |       |           |           |
|                       |                                                                                                                                                                                        | Nitrate                   | 0.011        | mg/L   |       |           |           |
| PH                    |                                                                                                                                                                                        | 6.5                       |              |        |       |           |           |
| Lab report number     |                                                                                                                                                                                        | N103520                   |              |        |       |           |           |
| Sampled date          |                                                                                                                                                                                        | 26/07/2022                |              |        |       |           |           |
| Lab received date     |                                                                                                                                                                                        | 27/07/2022                |              |        |       |           |           |
| Report received date  |                                                                                                                                                                                        | 4/08/2022                 |              |        |       |           |           |
| <b><u>Summary</u></b> |                                                                                                                                                                                        |                           |              |        |       |           |           |



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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          | 840          | µS/cm |       |           |
|                 |                                                                                      | Depth                 | 1.80         | m     |       |           |
|                 |                                                                                      | Nitrate               | 0.005        | mg/L  |       |           |
|                 |                                                                                      | Nitrogen (total)      | 0.7          | mg/L  |       |           |
|                 |                                                                                      | Phosphorus (total)    | 0.057        | mg/L  |       |           |
|                 |                                                                                      | PH                    | 6.4          |       |       |           |
|                 |                                                                                      | Available phosphorus  | 0.004        | mg/L  |       |           |
|                 |                                                                                      | Lab report number     | N103521      |       |       |           |
|                 |                                                                                      | Sampled date          | 26/07/2022   |       |       |           |
|                 |                                                                                      | Lab received date     | 27/07/2022   |       |       |           |
|                 |                                                                                      | Report received date  | 4/08/2022    |       |       |           |
|                 |                                                                                      | <b><u>Summary</u></b> |              |       |       |           |



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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          | 1400         | µS/cm |       |           |
|                 |                                                                | Depth                 | 3.90         | m     |       |           |
|                 |                                                                | Nitrate               | 0.062        | mg/L  |       |           |
|                 |                                                                | Nitrogen (total)      | 0.5          | mg/L  |       |           |
|                 |                                                                | Phosphorus (total)    | 0.017        | mg/L  |       |           |
|                 |                                                                | PH                    | 6.4          |       |       |           |
|                 |                                                                | Available phosphorus  | 0.004        | mg/L  |       |           |
|                 |                                                                | Lab report number     | N103521      |       |       |           |
|                 |                                                                | Sampled date          | 26/07/2022   |       |       |           |
|                 |                                                                | Lab received date     | 27/07/2022   |       |       |           |
|                 |                                                                | Report received date  | 4/08/2022    |       |       |           |
|                 |                                                                | <b><u>Summary</u></b> |              |       |       |           |



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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          | 1200         | µS/cm |       |           |
|                 |                                                                             | Depth                 | 4.85         | m     |       |           |
|                 |                                                                             | Nitrate               | 3.4          | mg/L  |       |           |
|                 |                                                                             | Nitrogen (total)      | 0.58         | mg/L  |       |           |
|                 |                                                                             | Phosphorus (total)    | 0.038        | mg/L  |       |           |
|                 |                                                                             | PH                    | 6.1          |       |       |           |
|                 |                                                                             | Available phosphorus  | 0.004        | mg/L  |       |           |
|                 |                                                                             | Lab report number     | N103521      |       |       |           |
|                 |                                                                             | Sampled date          | 26/07/2022   |       |       |           |
|                 |                                                                             | Lab received date     | 27/07/2022   |       |       |           |
|                 |                                                                             | Report received date  | 4/08/2022    |       |       |           |
|                 |                                                                             | <b><u>Summary</u></b> |              |       |       |           |





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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          | 720          | µS/cm |       |           |
|                 |                                                                | Depth                 | 4.70         | m     |       |           |
|                 |                                                                | Nitrate               | 0.005        | mg/L  |       |           |
|                 |                                                                | Nitrogen (total)      | 1.2          | mg/L  |       |           |
|                 |                                                                | Phosphorus (total)    | 0.24         | mg/L  |       |           |
|                 |                                                                | PH                    | 6.7          |       |       |           |
|                 |                                                                | Available phosphorus  | 0.014        | mg/L  |       |           |
|                 |                                                                | Lab report number     | N103521      |       |       |           |
|                 |                                                                | Sampled date          | 26/07/2022   |       |       |           |
|                 |                                                                | Lab received date     | 27/07/2022   |       |       |           |
|                 |                                                                | Report received date  | 4/08/2022    |       |       |           |
|                 |                                                                | <b><u>Summary</u></b> |              |       |       |           |



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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                 | 6.00         | m     |       |           |
|                 |                                                                      | Nitrate               | 0.73         | mg/L  |       |           |
|                 |                                                                      | Nitrogen (total)      | 0.99         | mg/L  |       |           |
|                 |                                                                      | Phosphorus (total)    | 0.34         | mg/L  |       |           |
|                 |                                                                      | PH                    | 6.9          |       |       |           |
|                 |                                                                      | Available phosphorus  | 0.004        | mg/L  |       |           |
|                 |                                                                      | Lab report number     | N103521      |       |       |           |
|                 |                                                                      | Sampled date          | 26/07/2022   |       |       |           |
|                 |                                                                      | Lab received date     | 27/07/2022   |       |       |           |
|                 |                                                                      | Report received date  | 4/08/2022    |       |       |           |
|                 |                                                                      | <b><u>Summary</u></b> |              |       |       |           |



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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          | 420          | µS/cm |       |           |
|                 |                                                                   | Depth                 | 5.55         | m     |       |           |
|                 |                                                                   | Nitrate               | 0.014        | mg/L  |       |           |
|                 |                                                                   | Nitrogen (total)      | 1.4          | mg/L  |       |           |
|                 |                                                                   | Phosphorus (total)    | 0.14         | mg/L  |       |           |
|                 |                                                                   | PH                    | 6.3          |       |       |           |
|                 |                                                                   | Available phosphorus  | 0.004        | mg/L  |       |           |
|                 |                                                                   | Lab report number     | N103521      |       |       |           |
|                 |                                                                   | Sampled date          | 26/07/2022   |       |       |           |
|                 |                                                                   | Lab received date     | 27/07/2022   |       |       |           |
|                 |                                                                   | Report received date  | 4/08/2022    |       |       |           |
|                 |                                                                   | <b><u>Summary</u></b> |              |       |       |           |



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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          | 1500         | µS/cm |       |           |
|                 |                                                                       | Depth                 | 6.90         | m     |       |           |
|                 |                                                                       | Nitrate               | 9.9          | mg/L  |       |           |
|                 |                                                                       | Nitrogen (total)      | 0.3          | mg/L  |       |           |
|                 |                                                                       | Phosphorus (total)    | 0.22         | mg/L  |       |           |
|                 |                                                                       | PH                    | 5.7          |       |       |           |
|                 |                                                                       | Available phosphorus  | 0.004        | mg/L  |       |           |
|                 |                                                                       | Lab report number     | N103521      |       |       |           |
|                 |                                                                       | Sampled date          | 26/07/2022   |       |       |           |
|                 |                                                                       | Lab received date     | 27/07/2022   |       |       |           |
|                 |                                                                       | Report received date  | 4/08/2022    |       |       |           |
|                 |                                                                       | <b><u>Summary</u></b> |              |       |       |           |



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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 | 2550         | mg/L       |       |           |
|                 |                                                            | Conductivity              | 2944         | µS/cm      |       |           |
|                 |                                                            | Faecal coliforms          | 100          | cfu/100 ml |       |           |
|                 |                                                            | Nitrate                   | 5            | mg/L       |       |           |
|                 |                                                            | Nitrogen (total)          | 130          | mg/L       |       |           |
|                 |                                                            | Phosphorus (total)        | 40           | mg/L       |       |           |
|                 |                                                            | Sodium                    | 890          | mg/L       |       |           |
|                 |                                                            | Sodium adsorption ratio   | 28           |            |       |           |
|                 |                                                            | Total suspended solids    | 1400         | mg/L       |       |           |
|                 |                                                            | PH                        | 7.19         |            |       |           |
|                 |                                                            | Lab report number         | N103644      |            |       |           |
|                 |                                                            | Sampled date              | 31/07/2022   |            |       |           |
|                 |                                                            | Lab received date         | 2/08/2022    |            |       |           |
|                 |                                                            | Report received date      | 10/08/2022   |            |       |           |
| <b>Summary</b>  |                                                            |                           |              |            |       |           |



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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                                 |              |      |       |                     |
|                 |                                                                                                                              | Sampled date                                      | 31/07/2022   |      |       |                     |
|                 |                                                                                                                              | Lab received date                                 |              |      |       |                     |
|                 |                                                                                                                              | Report received date                              |              |      |       |                     |
|                 |                                                                                                                              | <b><u>Summary</u></b>                             |              |      |       |                     |
|                 |                                                                                                                              | No irrigation from this sample port for July 2022 |              |      |       |                     |



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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                                                                                                                                                  |