



# Environment Monitoring Report

**June 2014**

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 |  |      |           |           |        |



# Environment Monitoring Report

**June 2014**

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 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 |
|                      |   | Lab report number  |  |      |           |           |        |
|                      |   | Sampled date   |  |      |           |           |        |
|                      |   | Lab received date  |  |      |           |           |        |
| Report received date |   |  |  |      |           |           |        |
| <b>Summary</b>       |   | Testing is conducted yearly and is not required this month |  |      |           |           |        |



**BEGA CHEESE**  
SINCE 1899

# Environment Monitoring Report

**June 2014**

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 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 |              |      |           |                     |
| <p><b><u>Summary</u></b><br/>Testing is conducted yearly and is not required this month</p> |  |                      |              |      |           |                     |



# Environment Monitoring Report

**June 2014**

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 |
|-----------------|--|----------------------|--------------|--|---------------------------|-----------|
| 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>       |              | 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>       |              | Testing is conducted yearly and is not required this month |                           |           |



# Environment Monitoring Report

**June 2014**

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 |           |
|-----------------------------------|--|-------------------|--------------|--------|-------|-----------|-----------|
| 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   | 18           |        |       |           |           |
|                                   |  | Volume (Average)  | 1132         | kL/day |       |           |           |
|                                   |  | Volume (Min-Max)  | 469 - 1413   | kL/day |       |           |           |
|                                   |  | Sampled date      | 30/06/2014   |        |       |           |           |
|                                   | <b><u>Summary</u></b>  |                   |              |        |       |           |           |
|                                   | EPA 23-Environmental monitoring subsurface drainage sump at WWSD   |                   |              |        |       | none      | Quarterly |
|                                   |  | Lab report number |              |        |       |           |           |
|                                   |  | Sampled date      | 30/06/2014   |        |       |           |           |
|                                   |  | Lab received date |              |        |       |           |           |
| Report received date              |  |                   |              |        |       |           |           |
| <b><u>Summary</u></b>             |  |                   |              |        |       |           |           |
| Nil flow, unable to take a sample |  |                   |              |        |       |           |           |



# Environment Monitoring Report

**June 2014**

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 |
|-----------------|--|-----------------------|--------------|-------|-------|-----------|
| Water & Land    | EPA 25 - 'Control' Groundwater monitoring point at corner of Daisy Hill & Buckajo Rd |                       |              |       | none  | Quarterly |
|                 |  | Conductivity          | 900          | µS/cm |       |           |
|                 |  | Depth                 | 2.10         | m     |       |           |
|                 |  | Nitrate               | 0.01         | mg/L  |       |           |
|                 |  | Nitrogen (total)      | 0.48         | mg/L  |       |           |
|                 |  | Phosphorus (total)    | 0.04         | mg/L  |       |           |
|                 |  | PH                    | 6.9          |       |       |           |
|                 |  | Available phosphorus  | 0.01         | mg/L  |       |           |
|                 |  | Lab report number     | N047596      |       |       |           |
|                 |  | Sampled date          | 25/06/2014   |       |       |           |
|                 |  | Lab received date     | 26/06/2014   |       |       |           |
|                 |  | Report received date  | 4/07/2014    |       |       |           |
|                 |  | <b><u>Summary</u></b> |              |       |       |           |



# Environment Monitoring Report

**June 2014**

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 |
|-----------------|--|-----------------------|--------------|-------|-------|-----------|
| Water & Land    | EPA 26 - Groundwater monitoring point at 'The Ranch' fenceline |                       |              |       | none  | Quarterly |
|                 |  | Conductivity          | 960          | µS/cm |       |           |
|                 |  | Depth                 | 3.60         | m     |       |           |
|                 |  | Nitrate               | 0.01         | mg/L  |       |           |
|                 |  | Nitrogen (total)      | 0.08         | mg/L  |       |           |
|                 |  | Phosphorus (total)    | 0.02         | mg/L  |       |           |
|                 |  | PH                    | 6.9          |       |       |           |
|                 |  | Available phosphorus  | 0.004        | mg/L  |       |           |
|                 |  | Lab report number     | N047596      |       |       |           |
|                 |  | Sampled date          | 25/06/2014   |       |       |           |
|                 |  | Lab received date     | 26/06/2014   |       |       |           |
|                 |  | Report received date  | 4/07/2014    |       |       |           |
|                 |  | <b><u>Summary</u></b> |              |       |       |           |



# Environment Monitoring Report

**June 2014**

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 |
|-----------------|---|-----------------------|--------------|-------|-------|-----------|
| Water & Land    | EPA 27 - Groundwater monitoring point at Bega River crossing, Factory Flats |                       |              |       | none  | Quarterly |
|                 |   | Conductivity          | 1000         | µS/cm |       |           |
|                 |   | Depth                 | 4.63         | m     |       |           |
|                 |   | Nitrate               | 2.3          | mg/L  |       |           |
|                 |   | Nitrogen (total)      | 2.6          | mg/L  |       |           |
|                 |   | Phosphorus (total)    | 0.06         | mg/L  |       |           |
|                 |   | PH                    | 6.5          |       |       |           |
|                 |   | Available phosphorus  | 0.004        | mg/L  |       |           |
|                 |   | Lab report number     | N047596      |       |       |           |
|                 |   | Sampled date          | 25/06/2014   |       |       |           |
|                 |   | Lab received date     | 26/06/2014   |       |       |           |
|                 |   | Report received date  | 4/07/2014    |       |       |           |
|                 |   | <b><u>Summary</u></b> |              |       |       |           |





# Environment Monitoring Report

**June 2014**

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 |
|-----------------|--|-----------------------|--------------|-------|-------|-----------|
| Water & Land    | EPA 28 - Groundwater monitoring point at Apps Farm near bridge |                       |              |       | none  | Quarterly |
|                 |  | Conductivity          | 1600         | µS/cm |       |           |
|                 |  | Depth                 | 4.70         | m     |       |           |
|                 |  | Nitrate               | 0.01         | mg/L  |       |           |
|                 |  | Nitrogen (total)      | 1.1          | mg/L  |       |           |
|                 |  | Phosphorus (total)    | 0.03         | mg/L  |       |           |
|                 |  | PH                    | 6.5          |       |       |           |
|                 |  | Available phosphorus  | 0.004        | mg/L  |       |           |
|                 |  | Lab report number     | N047596      |       |       |           |
|                 |  | Sampled date          | 25/06/2014   |       |       |           |
|                 |  | Lab received date     | 26/06/2014   |       |       |           |
|                 |  | Report received date  | 4/07/2014    |       |       |           |
|                 |  | <b><u>Summary</u></b> |              |       |       |           |



# Environment Monitoring Report

**June 2014**

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 |
|-----------------|--|-----------------------|--------------|-------|-------|-----------|
| Water & Land    | EPA 29 - Groundwater monitoring point at Apps Farm, east river flats |                       |              |       | none  | Quarterly |
|                 |  | Conductivity          | 1200         | µS/cm |       |           |
|                 |  | Depth                 | 5.65         | m     |       |           |
|                 |  | Nitrate               | 0.01         | mg/L  |       |           |
|                 |  | Nitrogen (total)      | 0.54         | mg/L  |       |           |
|                 |  | Phosphorus (total)    | 0.04         | mg/L  |       |           |
|                 |  | PH                    | 6.6          |       |       |           |
|                 |  | Available phosphorus  | 0.004        | mg/L  |       |           |
|                 |  | Lab report number     | N047596      |       |       |           |
|                 |  | Sampled date          | 25/06/2014   |       |       |           |
|                 |  | Lab received date     | 26/06/2014   |       |       |           |
|                 |  | Report received date  | 4/07/2014    |       |       |           |
|                 |  | <b><u>Summary</u></b> |              |       |       |           |



# Environment Monitoring Report

**June 2014**

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 |
|-----------------|---|-----------------------|--------------|-------|-------|-----------|
| Water & Land    | EPA 30 - Groundwater monitoring point at Apps/Ubrihien farm south |                       |              |       | none  | Quarterly |
|                 |   | Conductivity          | 170          | µS/cm |       |           |
|                 |   | Depth                 | 5.50         | m     |       |           |
|                 |   | Nitrate               | 0.02         | mg/L  |       |           |
|                 |   | Nitrogen (total)      | 0.88         | mg/L  |       |           |
|                 |   | Phosphorus (total)    | 0.36         | mg/L  |       |           |
|                 |   | PH                    | 6.8          |       |       |           |
|                 |   | Available phosphorus  | 0.091        | mg/L  |       |           |
|                 |   | Lab report number     | N047596      |       |       |           |
|                 |   | Sampled date          | 25/06/2014   |       |       |           |
|                 |   | Lab received date     | 26/06/2014   |       |       |           |
|                 |   | Report received date  | 4/07/2014    |       |       |           |
|                 |   | <b><u>Summary</u></b> |              |       |       |           |



# Environment Monitoring Report

**June 2014**

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 |
|-----------------|---|-----------------------|--------------|-------|-------|-----------|
| Water & Land    | EPA 31 - 'Control' Groundwater monitoring point at Ubrihien farm west |                       |              |       | none  | Quarterly |
|                 |   | Conductivity          | 740          | µS/cm |       |           |
|                 |   | Depth                 | 5.90         | m     |       |           |
|                 |   | Nitrate               | 1            | mg/L  |       |           |
|                 |   | Nitrogen (total)      | 1.3          | mg/L  |       |           |
|                 |   | Phosphorus (total)    | 0.01         | mg/L  |       |           |
|                 |   | PH                    | 6.3          |       |       |           |
|                 |   | Available phosphorus  | 0.004        | mg/L  |       |           |
|                 |   | Lab report number     | N047596      |       |       |           |
|                 |   | Sampled date          | 25/06/2014   |       |       |           |
|                 |   | Lab received date     | 26/06/2014   |       |       |           |
|                 |   | Report received date  | 4/07/2014    |       |       |           |
|                 |   | <b><u>Summary</u></b> |              |       |       |           |



# Environment Monitoring Report

**June 2014**

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 |
|-----------------------|--|---------------------------|--------------|------------|-------|-----------|
| Water & Land          | EPA 5-Effluent quality monitoring, DPU holding tanks 1 & 2 |                           |              |            | none  | Monthly   |
|                       |  | Biochemical oxygen demand | 2100         | mg/L       |       |           |
|                       |  | Conductivity              | 2300         | µS/cm      |       |           |
|                       |  | Faecal coliforms          | 29000000     | cfu/100 ml |       |           |
|                       |  | Nitrate                   | 44           | mg/L       |       |           |
|                       |  | Nitrogen (total)          | 180          | mg/L       |       |           |
|                       |  | Phosphorus (total)        | 42           | mg/L       |       |           |
|                       |  | Sodium                    | 480          | mg/L       |       |           |
|                       |  | Sodium adsorption ratio   | 14           |            |       |           |
|                       |  | Total suspended solids    | 760          | mg/L       |       |           |
|                       |  | PH                        | 5.59         |            |       |           |
|                       |  | Lab report number         | N047695      |            |       |           |
|                       |  | Sampled date              | 30/06/2014   |            |       |           |
|                       |  | Lab received date         | 1/07/2014    |            |       |           |
|                       |  | Report received date      | 11/07/2014   |            |       |           |
| <b><u>Summary</u></b> |  |                           |              |            |       |           |



# Environment Monitoring Report

**June 2014**

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           |
|-----------------------|--|---------------------------|--------------|------------|-------|---------------------|
| 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 | 2000         | mg/L       |       |                     |
|                       |  | Conductivity              | 4200         | µS/cm      |       |                     |
|                       |  | Faecal coliforms          | 2700000      | cfu/100 ml |       |                     |
|                       |  | Nitrate                   | 1            | mg/L       |       |                     |
|                       |  | Nitrogen (total)          | 140          | mg/L       |       |                     |
|                       |  | Phosphorus (total)        | 43           | mg/L       |       |                     |
|                       |  | Sodium                    | 540          | mg/L       |       |                     |
|                       |  | Sodium adsorption ratio   | 16           |            |       |                     |
|                       |  | Total suspended solids    | 560          | mg/L       |       |                     |
|                       |  | PH                        | 5.3          |            |       |                     |
|                       |  | Irrigation Days           | 7            |            |       |                     |
|                       |  | Volume (Average)          | 918          | kL/day     |       |                     |
|                       |  | Volume (Min-Max)          | 492 - 1131   | kL/day     |       |                     |
|                       |  | Lab report number         | N047485      |            |       |                     |
|                       |  | Sampled date              | 16/06/2014   |            |       |                     |
|                       |  | Lab received date         | 17/06/2014   |            |       |                     |
|                       |  | Report received date      | 30/06/2014   |            |       |                     |
| <b><u>Summary</u></b> |  |                           |              |            |       |                     |



# Environment Monitoring Report

**June 2014**

EPA Licence number: 1511

PO Box 123  
Bega NSW 2550  
Australia  
Reception Ph: +61-2-6491 7777  
Environment Line Ph: +61-2-6491 7691

## 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  |