



# Environment Monitoring Report

**August 2023**

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   | 0.18   |      | g/m3      |           |        |
|                      |   | Lab report number    | R015183  |      |           |           |        |
|                      |   | Sampled date         | 1/08/2023  |      |           |           |        |
| Lab received date    |   | 1/08/2023            |  |      |           |           |        |
| Report received date |   | 18/08/2023           |  |      |           |           |        |
| <b>Summary</b>       |   |                      |  |      |           |           |        |



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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    | 0.12         | g/m3 |           |                     |
|                 |  | Lab report number     | R015183      |      |           |                     |
|                 |  | Sampled date          | 1/08/2023    |      |           |                     |
|                 |  | Lab received date     | 1/08/2023    |      |           |                     |
|                 |  | Report received date  | 18/08/2023   |      |           |                     |
|                 |  | <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)  | 1059         | kL/day |       |           |           |
|   |  | Volume (Min-Max)  | 260 - 1436   | kL/day |       |           |           |
|   |  | Sampled date      | 31/08/2023   |        |       |           |           |
|   | <b><u>Summary</u></b>  |                   |              |        |       |           |           |
|   | EPA 23-Environmental monitoring subsurface drainage sump at WWSD   |                   |              |        |       | none      | Quarterly |
|   |  | Lab report number |              |        |       |           |           |
|   |  | Sampled date      | 31/08/2023   |        |       |           |           |
|   |  | Lab received date |              |        |       |           |           |
| Report received date  |  |                   |              |        |       |           |           |
| <b><u>Summary</u></b>   |  |                   |              |        |       |           |           |
| No sample available for August 2023 due to dry climatic conditions. |  |                   |              |        |       |           |           |



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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 |
|                 |  | Lab report number   |              |      |       |           |
|                 |  | Sampled date  |              |      |       |           |
|                 |  | Lab received date   |              |      |       |           |
|                 |  | Report received date  |              |      |       |           |
|                 |  | <b>Summary</b>  |              |      |       |           |
|                 |  | Testing is conducted quarterly and is not required this month |              |      |       |           |
| Water & Land    | EPA 26 - Groundwater monitoring point at 'The Ranch' fenceline                       |   |              |      | none  | Quarterly |
|                 |  | Lab report number   |              |      |       |           |
|                 |  | Sampled date  |              |      |       |           |
|                 |  | Lab received date   |              |      |       |           |
|                 |  | Report received date  |              |      |       |           |
|                 |  | <b>Summary</b>  |              |      |       |           |
|                 |  | Testing is conducted quarterly and is not required this month |              |      |       |           |



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|-----------------|---|---|--------------|------|-------|-----------|
| Water & Land    | EPA 27 - Groundwater monitoring point at Bega River crossing, Factory Flats |   |              |      | none  | Quarterly |
|                 |   | Lab report number   |              |      |       |           |
|                 |   | Sampled date  |              |      |       |           |
|                 |   | Lab received date   |              |      |       |           |
|                 |   | Report received date  |              |      |       |           |
|                 |   | <b>Summary</b>  |              |      |       |           |
|                 |   | Testing is conducted quarterly and is not required this month |              |      |       |           |
| Water & Land    | EPA 28 - Groundwater monitoring point at Apps Farm near bridge              |   |              |      | none  | Quarterly |
|                 |   | Lab report number   |              |      |       |           |
|                 |   | Sampled date  |              |      |       |           |
|                 |   | Lab received date   |              |      |       |           |
|                 |   | Report received date  |              |      |       |           |
|                 |   | <b>Summary</b>  |              |      |       |           |
|                 |   | Testing is conducted quarterly and is not required this month |              |      |       |           |



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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 |
|                 |  | Lab report number   |              |      |       |           |
|                 |  | Sampled date  |              |      |       |           |
|                 |  | Lab received date   |              |      |       |           |
|                 |  | Report received date  |              |      |       |           |
|                 |  | <b>Summary</b>  |              |      |       |           |
|                 |  | Testing is conducted quarterly and is not required this month |              |      |       |           |
| Water & Land    | EPA 30 - Groundwater monitoring point at Apps/Ubrihien farm south    |   |              |      | none  | Quarterly |
|                 |  | Lab report number   |              |      |       |           |
|                 |  | Sampled date  |              |      |       |           |
|                 |  | Lab received date   |              |      |       |           |
|                 |  | Report received date  |              |      |       |           |
|                 |  | <b>Summary</b>  |              |      |       |           |
|                 |  | Testing is conducted quarterly and is not required this month |              |      |       |           |





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



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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 | 2700         | mg/L       |       |           |
|                       |  | Conductivity              | 3944         | µS/cm      |       |           |
|                       |  | Faecal coliforms          | 100          | cfu/100 ml |       |           |
|                       |  | Nitrate                   | 60           | mg/L       |       |           |
|                       |  | Nitrogen (total)          | 150          | mg/L       |       |           |
|                       |  | Phosphorus (total)        | 40           | mg/L       |       |           |
|                       |  | Sodium                    | 825          | mg/L       |       |           |
|                       |  | Sodium adsorption ratio   | 26           |            |       |           |
|                       |  | Total suspended solids    | 910          | mg/L       |       |           |
|                       |  | PH                        | 9            |            |       |           |
|                       |  | Lab report number         | N111260      |            |       |           |
|                       |  | Sampled date              | 31/08/2023   |            |       |           |
|                       |  | Lab received date         | 1/09/2023    |            |       |           |
|                       |  | Report received date      | 11/09/2023   |            |       |           |
| <b><u>Summary</u></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  | 31/08/2023   |      |       |                     |
|                 |  | Lab received date                                     |              |      |       |                     |
|                 |  | Report received date                                  |              |      |       |                     |
|                 |  | <b><u>Summary</u></b>                                 |              |      |       |                     |
|                 |  | No irrigation from this sample point for August 2023. |              |      |       |                     |



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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  |