



Environment Monitoring Report

March 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 | | | | | |
| | Summary | | 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 | | | | | | | |
| Summary | | 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 | | | | | |
| | Summary | | 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 | | | | | | | |
| Summary | | Testing is conducted quarterly and is not required this month | | | | | |



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



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|-----------------|--|--|--------------|------|---------------------------|-----------|
| 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 | | | | |
| | | Summary 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 | | | | |
| | | Summary 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) | 719 | kL/day | | | |
| | | Volume (Min-Max) | 129 - 1411 | kL/day | | | |
| | | Sampled date | 31/03/2022 | | | | |
| | <u>Summary</u> | | | | | | |
| | EPA 23-Environmental monitoring subsurface drainage sump at WWSD | | | | | none | Quarterly |
| | | Lab report number | | | | | |
| | | Sampled date | 31/03/2022 | | | | |
| | | Lab received date | | | | | |
| Report received date | | | | | | | |
| <u>Summary</u> | | | | | | | |
| No sample available for March-2022 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 | | | | |
| | | Summary | | | | |
| | | 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 | | | | |
| | | Summary | | | | |
| | | 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 | | | | |
| | Summary | | | | | |
| | 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 | | | | |
| | Summary | | | | | |
| | 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 | | | | |
| | | Summary | | | | |
| | | 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 | | | | |
| | | Summary | | | | |
| | | Testing is conducted quarterly and is not required this month | | | | |



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|-----------------|---|---|--------------|------|-------|-----------|
| 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 | | | | |
| | | <p>Summary Testing is conducted quarterly and is not required this month</p> | | | | |



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|-----------------------|--|---------------------------|--------------|------------|-------|-----------|
| Water & Land | EPA 5-Effluent quality monitoring, DPU holding tanks 1 & 2 | | | | none | Monthly |
| | | Biochemical oxygen demand | 4000 | mg/L | | |
| | | Conductivity | 2559 | µS/cm | | |
| | | Faecal coliforms | 100 | cfu/100 ml | | |
| | | Nitrate | 29 | mg/L | | |
| | | Nitrogen (total) | 260 | mg/L | | |
| | | Phosphorus (total) | 60 | mg/L | | |
| | | Sodium | 705 | mg/L | | |
| | | Sodium adsorption ratio | 18 | | | |
| | | Total suspended solids | 1900 | mg/L | | |
| | | PH | 7.37 | | | |
| | | Lab report number | N101309 | | | |
| | | Sampled date | 31/03/2022 | | | |
| | | Lab received date | 1/04/2022 | | | |
| | | Report received date | 11/04/2022 | | | |
| <u>Summary</u> | | | | | | |



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|-----------------|--|---|--------------|------|-------|---------------------|
| 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 | 31/03/2022 | | | |
| | | Lab received date | | | | |
| | | Report received date | | | | |
| | | <u>Summary</u> | | | | |
| | | No irrigation from this sample point for March 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 |