



Environment Monitoring Report

October 2024

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 | |
| | | Nitrogen Oxides | 0.13 | g/m3 | | | |
| | | Lab report number | R017805 | | | | |
| | | Sampled date | 24/10/2024 | | | | |
| | | Lab received date | 25/10/2024 | | | | |
| | | Report received date | 25/11/2024 | | | | |
| | | <u>Summary</u> | | | | | |
| | EPA 22-Air emissions monitoring, main boiler PPU | | | | | 0.35 g/m3 | Yearly |
| | | Nitrogen Oxides | 0.19 | g/m3 | | | |
| | | Lab report number | R017805 | | | | |
| | | Sampled date | 24/10/2024 | | | | |
| | | Lab received date | 25/10/2024 | | | | |
| | | Report received date | 25/11/2024 | | | | |
| | | <u>Summary</u> | | | | | |



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|-----------------------|---|-----------------------|--------------|------|-----------|-----------|--------|
| Air | EPA 24 - Air emissions monitoring, gas boiler stack DPU | | | | 0.35 g/m3 | Yearly | |
| | | Nitrogen Oxides | 0.097 | g/m3 | | | |
| | | Lab report number | R017805 | | | | |
| | | Sampled date | 23/10/2024 | | | | |
| | | Lab received date | 25/10/2024 | | | | |
| | | Report received date | 25/11/2024 | | | | |
| | | <u>Summary</u> | | | | | |
| | EPA 7- Air emissions monitoring, DPU boiler Stack | | | | | 0.25 g/m3 | Yearly |
| | | Particulate matter | 0.2 | g/m3 | | | |
| | | Lab report number | R017805 | | | | |
| Sampled date | | 23/10/2024 | | | | | |
| Lab received date | | 25/10/2024 | | | | | |
| Report received date | | 25/11/2024 | | | | | |
| <u>Summary</u> | | | | | | | |



BEGA CHEESE
SINCE 1899

Environment Monitoring Report

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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 | 0.16 | g/m3 | | |
| | | Lab report number | R017805 | | | |
| | | Sampled date | 23/10/2024 | | | |
| | | Lab received date | 25/10/2024 | | | |
| | | Report received date | 25/11/2024 | | | |
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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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|-----------------------|--|---------------------------|--------------|--------|-------|-----------|-----------|
| 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) | 1071 | kL/day | | | |
| | | Volume (Min-Max) | 131 - 1581 | kL/day | | | |
| | | Sampled date | 31/10/2024 | | | | |
| | <u>Summary</u> | | | | | | |
| | EPA 23-Environmental monitoring subsurface drainage sump at WWSD | | | | | none | Quarterly |
| | | Biochemical oxygen demand | 5 | mg/L | | | |
| | | Conductivity | 910 | µS/cm | | | |
| | | Nitrate | 0.01 | mg/L | | | |
| PH | | 6.3 | | | | | |
| Lab report number | | N118770 | | | | | |
| Sampled date | | 9/10/2024 | | | | | |
| Lab received date | | 10/10/2024 | | | | | |
| Report received date | | 21/10/2024 | | | | | |
| <u>Summary</u> | | | | | | | |



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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 | 870 | µS/cm | | |
| | | Depth | 1.90 | m | | |
| | | Nitrate | 0.005 | mg/L | | |
| | | Nitrogen (total) | 0.62 | mg/L | | |
| | | Phosphorus (total) | 0.018 | mg/L | | |
| | | PH | 6.4 | | | |
| | | Available phosphorus | 0.004 | mg/L | | |
| | | Lab report number | N118820 | | | |
| | | Sampled date | 9/10/2024 | | | |
| | | Lab received date | 10/11/2024 | | | |
| | | Report received date | 24/10/2024 | | | |
| <u>Summary</u> | | | | | | |



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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 | 1500 | µS/cm | | |
| | | Depth | 4.10 | m | | |
| | | Nitrate | 0.056 | mg/L | | |
| | | Nitrogen (total) | 0.3 | mg/L | | |
| | | Phosphorus (total) | 0.018 | mg/L | | |
| | | PH | 6.4 | | | |
| | | Available phosphorus | 0.004 | mg/L | | |
| | | Lab report number | N118820 | | | |
| | | Sampled date | 9/10/2024 | | | |
| | | Lab received date | 10/10/2024 | | | |
| | | Report received date | 24/10/2024 | | | |
| | | <u>Summary</u> | | | | |



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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 | 700 | µS/cm | | |
| | | Depth | 5.05 | m | | |
| | | Nitrate | 0.008 | mg/L | | |
| | | Nitrogen (total) | 1 | mg/L | | |
| | | Phosphorus (total) | 0.12 | mg/L | | |
| | | PH | 6.4 | | | |
| | | Available phosphorus | 0.004 | mg/L | | |
| | | Lab report number | N118820 | | | |
| | | Sampled date | 9/10/2024 | | | |
| | | Lab received date | 10/10/2024 | | | |
| | | Report received date | 24/10/2024 | | | |
| | | <u>Summary</u> | | | | |



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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 | 1300 | µS/cm | | |
| | | Depth | 4.90 | m | | |
| | | Nitrate | 0.005 | mg/L | | |
| | | Nitrogen (total) | 1.9 | mg/L | | |
| | | Phosphorus (total) | 0.12 | mg/L | | |
| | | PH | 6.5 | | | |
| | | Available phosphorus | 0.004 | mg/L | | |
| | | Lab report number | N118820 | | | |
| | | Sampled date | 9/10/2024 | | | |
| | | Lab received date | 10/10/2024 | | | |
| | | Report received date | 24/10/2024 | | | |
| <u>Summary</u> | | | | | | |



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|-----------------|--|-----------------------|--------------|-------|-------|-----------|
| Water & Land | EPA 29 - Groundwater monitoring point at Apps Farm, east river flats | | | | none | Quarterly |
| | | Conductivity | 1200 | µS/cm | | |
| | | Depth | 6.20 | m | | |
| | | Nitrate | 0.38 | mg/L | | |
| | | Nitrogen (total) | 1.3 | mg/L | | |
| | | Phosphorus (total) | 0.17 | mg/L | | |
| | | PH | 6.3 | | | |
| | | Available phosphorus | 0.004 | mg/L | | |
| | | Lab report number | N118820 | | | |
| | | Sampled date | 9/10/2024 | | | |
| | | Lab received date | 10/10/2024 | | | |
| | | Report received date | 24/10/2024 | | | |
| | | <u>Summary</u> | | | | |



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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 | 110 | µS/cm | | |
| | | Depth | 5.80 | m | | |
| | | Nitrate | 0.032 | mg/L | | |
| | | Nitrogen (total) | 0.94 | mg/L | | |
| | | Phosphorus (total) | 1.1 | mg/L | | |
| | | PH | 6.4 | | | |
| | | Available phosphorus | 0.004 | mg/L | | |
| | | Lab report number | N118820 | | | |
| | | Sampled date | 9/10/2024 | | | |
| | | Lab received date | 10/10/2024 | | | |
| | | Report received date | 24/10/2024 | | | |
| | | <u>Summary</u> | | | | |



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|-----------------|---|-----------------------|--------------|-------|-------|-----------|
| Water & Land | EPA 31 - 'Control' Groundwater monitoring point at Ubrihien farm west | | | | none | Quarterly |
| | | Conductivity | 1300 | µS/cm | | |
| | | Depth | 7.05 | m | | |
| | | Nitrate | 6.4 | mg/L | | |
| | | Nitrogen (total) | 0.5 | mg/L | | |
| | | Phosphorus (total) | 0.01 | mg/L | | |
| | | PH | 5.7 | | | |
| | | Available phosphorus | 0.004 | mg/L | | |
| | | Lab report number | N118820 | | | |
| | | Sampled date | 9/10/2024 | | | |
| | | Lab received date | 10/10/2024 | | | |
| | | Report received date | 24/10/2024 | | | |
| | | <u>Summary</u> | | | | |



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|-----------------------|--|---------------------------|--------------|------------|-------|-----------|
| Water & Land | EPA 5-Effluent quality monitoring, DPU holding tanks 1 & 2 | | | | none | Monthly |
| | | Biochemical oxygen demand | 2150 | mg/L | | |
| | | Conductivity | 3808 | µS/cm | | |
| | | Faecal coliforms | 100 | cfu/100 ml | | |
| | | Nitrate | 5 | mg/L | | |
| | | Nitrogen (total) | 100 | mg/L | | |
| | | Phosphorus (total) | 36 | mg/L | | |
| | | Sodium | 735 | mg/L | | |
| | | Sodium adsorption ratio | 27 | | | |
| | | Total suspended solids | 700 | mg/L | | |
| | | PH | 6.77 | | | |
| | | Lab report number | N119157 | | | |
| | | Sampled date | 31/10/2024 | | | |
| | | Lab received date | 1/11/2024 | | | |
| | | Report received date | 13/11/2024 | | | |
| <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 | 31/10/2024 | | | |
| | | Lab received date | | | | |
| | | Report received date | | | | |
| | | <p><u>Summary</u></p> <p>No irrigation from this sample point for October 2024.</p> | | | | |



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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 |