

## Baal Bone Colliery - Water Monitoring

**License Holder:** The Wallerawang Collieries Limited

**Site Address:** Baal Bone Colliery, Castlereagh Highway, Lithgow, NSW, 2790

**EPL Number:** 765

**Sampled:** 09/04/2019

**Obtained:** 29/04/2019

**Published:** 02/05/2019

**Sampling Frequency:** Monthly during discharge

| EPA Identification No. / Site Sample Name | Pollutant               | Monthly Measurement | Twelve Month Rolling Average | Twelve Month Rolling Median | Limit     | Unit                            | Exceedance (yes/no) |
|---|-------------------------|---------------------|------------------------------|-----------------------------|-----------|---------------------------------|---------------------|
| 2 / LDP2                                  | BOD                     | No Flow             | -                            | -                           | -         | mg/L                            | -                   |
| 2 / LDP2                                  | Faecal Coliforms        | No Flow             | -                            | -                           | -         | colony forming units per 100 mL | -                   |
| 2 / LDP2                                  | Nitrogen (total)        | No Flow             | -                            | -                           | -         | mg/L                            | -                   |
| 2 / LDP2                                  | Oil and Grease          | No Flow             | -                            | -                           | -         | mg/L                            | -                   |
| 2 / LDP2                                  | pH                      | No Flow             | -                            | -                           | -         | pH                              | -                   |
| 2 / LDP2                                  | Phosphorus (total)      | No Flow             | -                            | -                           | -         | mg/L                            | -                   |
| 2 / LDP2                                  | Total Suspended Solids  | No Flow             | -                            | -                           | -         | mg/L                            | -                   |
| 11 / LDP1                                 | Dissolved Iron          | <0.05               | 0.05                         | 0.05                        | 1.0       | mg/L                            | No                  |
| 11 / LDP1                                 | Oil and Grease          | <5.0                | 5.0                          | 5.0                         | 10        | mg/L                            | No                  |
| 11 / LDP1                                 | pH                      | 6.8                 | 7.4                          | 7.4                         | 6.5 - 8.5 | pH                              | No                  |
| 11 / LDP1                                 | Total Suspended Solids  | 5.0                 | 5.0                          | 5.0                         | 50        | mg/L                            | No                  |
| 11 / LDP1                                 | Electrical Conductivity | 1019                | 1108                         | 1108                        | -         | µS/cm                           | -                   |
| 11 / LDP1                                 | Sulphate                | 341                 | 301                          | 313                         | -         | mg/L                            | -                   |
| 12 / WMP1                                 | Conductivity            | No flow             | -                            | -                           | -         | µS/cm                           | -                   |
| 12 / WMP1                                 | Dissolved Iron          | No flow             | -                            | -                           | -         | mg/L                            | -                   |
| 12 / WMP1                                 | Oil and Grease          | No flow             | -                            | -                           | -         | mg/L                            | -                   |
| 12 / WMP1                                 | Sulphate                | No flow             | -                            | -                           | -         | mg/L                            | -                   |
| 12 / WMP1                                 | Total Suspended Solids  | No flow             | -                            | -                           | -         | mg/L                            | -                   |
| 12 / WMP1                                 | pH                      | No Flow             | -                            | -                           | -         | pH                              | -                   |

## Baal Bone Colliery - Deposited Dust Monitoring

**License Holder:** The Wallerawang Collieries Limited

**Site Address:** Baal Bone Colliery, Castlereagh Highway, Lithgow, NSW, 2790

**EPL Number:** 765

**Sampled:** 03/04/2019

**Obtained:** 29/04/2019

**Published:** 02/05/2019

**Sampling Frequency:** Once a month (min. 4 weeks)

| EPA Identification No. / Site Sample Name | Frequency | Pollutant                       | Measurement | Twelve Month Rolling Average | Twelve Month Rolling Median | Limit | Unit                    | Exceedance (yes/no) |
|---|-----------|---------------------------------|-------------|------------------------------|-----------------------------|-------|-------------------------|---------------------|
| 7 / DM1                                   | Monthly   | Particulates - Deposited Matter | 1.0         | 1.7                          | 1.2                         | 4.0   | g/m <sup>2</sup> /month | No                  |
| 13 / DM2                                  | Monthly   | Particulates - Deposited Matter | 0.7         | 0.8*                         | 0.7*                        | 4.0   | g/m <sup>2</sup> /month | No                  |
| 14 / DM3                                  | Monthly   | Particulates - Deposited Matter | 1.2         | 1.2                          | 0.8                         | 4.0   | g/m <sup>2</sup> /month | No                  |
| 15 / DM4                                  | Monthly   | Particulates - Deposited Matter | 1.7         | 1.2                          | 0.9                         | 4.0   | g/m <sup>2</sup> /month | No                  |

\*Jan 2019 sample collected, however sample subsequently lost by laboratory during analysis. Twelve month rolling average and twelve month rolling median figures stated for April 2019 at DM2 exclude Jan 2019.

## Baal Bone Colliery - Waste Monitoring

**License Holder:** The Wallerawang Collieries Limited

**Site Address:** Baal Bone Colliery, Castlereagh Highway, Lithgow, NSW, 2790

**EPL Number:** 765

**Sampled:** 30/04/2019

**Obtained:** 30/04/2019

**Published:** 02/05/2019

| Frequency | Pollutant                          | Measurement | Units  | Activity waste is used for | Exceedance (yes/no) |
|-----------|------------------------------------|-------------|--------|----------------------------|---------------------|
| Monthly   | General or specific exempted waste | 0           | tonnes | Resource recovery          | No                  |