

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: 22/01/2020

Obtained: 12/02/2020

Published: 26/02/2020

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 / BBLDP2 | BOD | No Flow | - | - | - | mg/L | - |
| 2 / BBLDP2 | Faecal Coliforms | No Flow | - | - | - | colony forming units per 100 mL | - |
| 2 / BBLDP2 | Nitrogen (total) | No Flow | - | - | - | mg/L | - |
| 2 / BBLDP2 | Oil and Grease | No Flow | - | - | - | mg/L | - |
| 2 / BBLDP2 | pH | No Flow | - | - | - | pH | - |
| 2 / BBLDP2 | Phosphorus (total) | No Flow | - | - | - | mg/L | - |
| 2 / BBLDP2 | Total Suspended Solids | No Flow | - | - | - | mg/L | - |
| 16 / BBLDP1 | Dissolved Iron | 0.06 | 0.07 | 0.05 | 1.0 | mg/L | No |
| 16 / BBLDP1 | Oil and Grease | 11 [^] | 5.5 | 5.0 | 10 | mg/L | Yes |
| 16 / BBLDP1 | pH | 7.9 | 7.2 | 7.2 | 6.5 - 8.5 | pH | No |
| 16 / BBLDP1 | Total Suspended Solids | <5.0 | 5.0 | 5.0 | 50 | mg/L | No |
| 16 / BBLDP1 | Electrical Conductivity | 1018 | 1069 | 1081 | - | µS/cm | - |
| 16 / BBLDP1 | Sulphate | 370 | 314 | 316 | - | mg/L | - |

[^] In January 2020 an Oil and Grease result of 11mg/L was returned at BBLDP1, compared to the EPL 765 limit of 10 mg/L. An investigation has been carried out. The investigation found that: *There has been no record of recent exceedances with a review of oil and grease levels back to 2014 all identifying results under 5 milligrams per litre. The results appear to be an anomaly, however as rainfall had recently occurred after an extended dry period it is possible that this was a contributing factor. There had been 40.44mm of rain the week leading up to the sampling and 21mm of this was received three days prior. There had also been a bushfire move through the area in the previous month which resulted in large equipment moving through the site to establish fire breaks. This exceedance was reported to the Department of Planning and Environment, the EPA and other relevant agencies on 19/02/2020.*

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: 16/01/2020

Obtained: 12/02/2020

Published: 26/02/2020

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 | 6.8* | 2.9 | 1.5 | 4.0 | g/m ² /month | No |
| 13 / DM2 | Monthly | Particulates-Deposited Matter | 7.2* | 1.9 | 1.2 | 4.0 | g/m ² /month | No |
| 14 / DM3 | Monthly | Particulates-Deposited Matter | 8.2* | 1.7 | 1.2 | 4.0 | g/m ² /month | No |
| 15 / DM4 | Monthly | Particulates-Deposited Matter | 12.1* | 1.9 | 1.0 | 4.0 | g/m ² /month | No |

* January 2020 results were higher than previous months due to dust storms and bushfire in December 2019 and January 2020. Deposited dust results in all four dust gauges are within annual average limits.

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: 01/02/2020

Obtained: 01/02/2020

Published: 26/02/2020

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