



Rocglen Coal Mine- Monthly Monitoring Summary

Site Information

EPL No: 12870

EPA Website Link: <http://epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=40278&SYSUID=1&LICID=12870>

Licensee: Whitehaven Coal Mining Pty Ltd

Licensee Address: Rocglen Coal Mine, Wean Road, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: February 2020

Obtained Date: 9th March 2020

Publication Date: 20 March 2020

Table 1 - No Pollutant Limits Apply

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date(s) Sampled | Date(s) Obtained | Min Value | Mean Value | Median Value | Max or Only Value |
|--------|-------------------------------|-------------------------|-----------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
| 4 | Particulates-Deposited Matter | g/m ² /month | Continuous | 1 | 18/02/20 | 28/02/20 | - | - | - | 1.9 |
| 6 | Particulates-Deposited Matter | g/m ² /month | Continuous | 1 | 18/02/20 | 28/02/20 | - | - | - | 0.7 |
| 10 | PM ₁₀ | µg/m ³ | Every 6 days | 5 | Various | 9/03/20 | 3.2 | 25.9 | 19.6 | 61.8 |
| 11 | Conductivity | µS/cm | Special Frequency 1* | 1 | 11/02/20 | 15/02/20 | - | - | - | 179 |
| | Total organic carbon | mg/L | | | | | - | - | - | 19 |
| 12 | Conductivity | µS/cm | Special Frequency 1* | - | - | - | - | - | - | - |
| | Total organic carbon | mg/L | | | | | - | - | - | - |
| 13 | TSS | mg/L | Special Frequency 2** | 1 | 12/02/20 | 15/02/20 | - | - | - | 1720 |
| | Conductivity | µS/cm | | | | | - | - | - | 133 |
| | Oil & Grease | mg/L | | | | | - | - | - | <5 |
| | pH | pH | | | | | - | - | - | 7.38 |
| | Total organic carbon | mg/L | | | | | - | - | - | 13 |



WHITEHAVEN COAL

Rocgen Coal Mine- Monthly Monitoring Summary

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date(s) Sampled | Date(s) Obtained | Min Value | Mean Value | Median Value | Max or Only Value |
|--------|----------------------|------------------|-----------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
| 14 | TSS | mg/L | Special Frequency 2** | 1 | 10/02/20 | 15/02/20 | - | - | - | 86 |
| | Conductivity | µS/cm | | | | | - | - | - | 117 |
| | Oil & Grease | mg/L | | | | | - | - | - | 82 |
| | pH | pH | | | | | - | - | - | 7.58 |
| | Total organic carbon | mg/L | | | | | - | - | - | 6 |
| 15 | TSS | mg/L | Special Frequency 2** | 1 | 12/02/20 | 15/02/20 | - | - | - | 73 |
| | Conductivity | µS /cm | | | | | - | - | - | 83 |
| | Oil & Grease | mg/L | | | | | - | - | - | <5 |
| | pH | pH | | | | | - | - | - | 7.09 |
| | Total organic carbon | mg/L | | | | | - | - | - | 8 |

Table 2 - Pollutant Limits Apply

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date(s) Sampled | Date(s) Obtained | Min Value | Max or Only Value | 100%ile Limit | Exceedance (Yes/No) | Comments |
|--------|--------------|------------------|----------------------|------------------------------|-----------------|------------------|-----------|-------------------|---------------|---------------------|--|
| 11 | TSS | mg/L | Special Frequency 1* | 1 | 11/02/20 | 15/02/20 | - | 1440 | 50 | No | >38.4 mm received in 5 days prior to discharge |
| | Oil & Grease | mg/L | | | | | - | <5 | 10 | No | |
| | pH | pH | | | | | - | 7.39 | 6.5-8.5 | No | |
| 12 | TSS | mg/L | Special Frequency 1* | - | - | - | - | - | 50 | - | |
| | Oil & Grease | mg/L | | | | | - | - | 10 | - | |
| | pH | pH | | | | | - | - | 6.5-8.5 | - | |

* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.



Rocgen Coal Mine- Monthly Monitoring Summary

** Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 11 and 12 commences and in any case not more than 12 hours after each discharge commences.

Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date Sampled | Date Obtained | Min Value | Mean Value | Median Value | Max Value/Only Value |
|--------|--------------|------------------|----------------------|------------------------------|--------------|---------------|-----------|------------|--------------|----------------------|
| 16 | Aluminium | mg/L | Yearly | 0 | - | - | - | - | - | |
| | Arsenic | mg/L | | | | | - | - | - | |
| | Bicarbonate | mg/L | | | | | - | - | - | |
| | Chloride | mg/L | | | | | - | - | - | |
| | Iron | mg/L | | | | | - | - | - | |
| | Manganese | mg/L | | | | | - | - | - | |
| | Sodium | mg/L | | | | | - | - | - | |
| 16 | Conductivity | µS/cm | Quarterly | 0 | - | - | - | - | - | |
| | Oil & Grease | mg/L | | | | | - | - | - | |
| | pH | pH | | | | | - | - | - | |
| | TOC | mg/L | | | | | - | - | - | |
| | TSS | mg/L | | | | | - | - | - | |



WHITEHAVEN COAL

Rocglen Coal Mine- Monthly Monitoring Summary

Table 4– Monitoring (Noise – Limits Apply)

| EPL ID | Date | Start Time | Period (mins) | Rocglen Measured Levels – dB(A) <small>Leq 15min Day</small> | Rocglen Measured Levels – dB(A) <small>Leq 15min Evening</small> | Rocglen Measured Levels – dB(A) <small>Leq 15min Night</small> | Rocglen Measured Levels – dB(A) <small>LA 1min Night</small> | Limits | Wind speed (m/s) | Compliant (Y/N) | Comments | |
|--------|------|------------|---------------|---|---|---|---|--------|------------------|-----------------|----------|--|
| N1 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| N2 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Note: Measured noise levels are not necessarily the result of activity at Rocglen Coal Mine



WHITEHAVEN COAL

Rocgen Coal Mine- Monthly Monitoring Summary
Figure 1 – EPL 12870 Monitoring Locations

