



## 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:** January 2022

**Obtained Date:** 15<sup>th</sup> February 2022

**Publication Date:** 17<sup>th</sup> February 2022

**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 (BD4) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 13/01/2022      | 2/02/2022        | -         | -          | -            | 1.13              |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 13/12/2021      | 2/02/2022        | -         | -          | -            | 3.08              |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | Various         | 15/02/2022       | 5.9       | 8.6        | 7.2          | 13.6              |
| 11     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                 |                  | -         | -          | -            | -                 |
| 12     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                 |                  | -         | -          | -            | -                 |
| 13     | TSS                                 | mg/L                    | Special Frequency 2**(DDCK) | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity                        | µS/cm                   |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease                        | mg/L                    |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                                  | pH                      |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                 |                  | -         | -          | -            | -                 |
| 14     | TSS                                 | mg/L                    |                             | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity                        | µS/cm                   |                             |                              |                 |                  | -         | -          | -            | -                 |



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| 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 |
|--------|----------------------|------------------|-----------------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
|        | Oil & Grease         | mg/L             | Special Frequency 2**(UNDC) |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
| 15     | TSS                  | mg/L             | Special Frequency 2** (SD7) | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity         | µS /cm           |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |

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* | 0                            | -               | -                | -         | -                 | -             | No                  | -        |
|        | Oil & Grease | mg/L             |                      |                              |                 |                  | -         | -                 | -             | No                  |          |
|        | pH           | pH               |                      |                              |                 |                  | -         | -                 | -             | No                  |          |
| 12     | TSS          | mg/L             | Special Frequency 1* | 0                            | -               | -                | -         | -                 | -             | No                  | -        |
|        | Oil & Grease | mg/L             |                      |                              |                 |                  | -         | -                 | -             | No                  |          |
|        | pH           | pH               |                      |                              |                 |                  | -         | -                 | -             | No                  |          |

\* 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.

\*\* 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.

**Rocglen Coal Mine- Monthly Monitoring Summary**  
**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

Figure 1 – EPL 12870 Monitoring Locations



## 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 2022

**Obtained Date:** 17<sup>th</sup> March 2022

**Publication Date:** 21<sup>st</sup> March 2022

**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 (BD4) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 14/02/2022      | 22/02/2022       | -         | -          | -            | 1.93              |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 14/02/2022      | 22/02/2022       | -         | -          | -            | 1.51              |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | Various         | 17/03/2022       | 3         | 4.8        | 4.8          | 7.9               |
| 11     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 1                            | 22/02/2022      | 2/03/2022        | -         | -          | -            | 603               |
|        | Total organic carbon                | mg/L                    |                             |                              |                 |                  | -         | -          | -            | 8                 |
| 12     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                 |                  | -         | -          | -            | -                 |
| 13     | TSS                                 | mg/L                    | Special Frequency 2**(DDCK) | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity                        | µS/cm                   |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease                        | mg/L                    |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                                  | pH                      |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | TSS                                 | mg/L                    |                             |                              | -               | -                | -         | -          | -            | -                 |



## Rocglen 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     | Conductivity         | µS/cm            | Special Frequency 2**(UNDC) | 0                            |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
| 15     | TSS                  | mg/L             | Special Frequency 2** (SD7) | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity         | µS /cm           |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |

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                            | 22/02/2022      | 2/03/2022        | -         | -                 | 285           | No                  | -        |
|        | Oil & Grease | mg/L             |                      |                              |                 |                  | -         | -                 | <5            | No                  |          |
|        | pH           | pH               |                      |                              |                 |                  | -         | -                 | 7.82          | No                  |          |
| 12     | TSS          | mg/L             | Special Frequency 1* | 0                            | -               | -                | -         | -                 | -             | -                   | -        |
|        | Oil & Grease | mg/L             |                      |                              |                 |                  | -         | -                 | -             | -                   |          |
|        | pH           | pH               |                      |                              |                 |                  | -         | -                 | -             | -                   |          |

\* 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.

\*\* 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.

### Rocglen Coal Mine- Monthly Monitoring Summary

**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            | 1                            | 21/02/2022   | 7/03/2022     | -         | -          | -            | 540                  |
|        | Oil & Grease | mg/L             |                      |                              |              |               | -         | -          | -            | <5                   |
|        | pH           | pH               |                      |                              |              |               | -         | -          | -            | 7.96                 |
|        | TOC          | mg/L             |                      |                              |              |               | -         | -          | -            | 5                    |
|        | TSS          | mg/L             |                      |                              |              |               | -         | -          | -            | 76                   |



# WHITEHAVEN COAL

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





## 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:** March 2022

**Obtained Date:** 14<sup>th</sup> April 2022

**Publication Date:** 20<sup>th</sup> April 2022

**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 (BD4) | g/m <sup>2</sup> /month | Continuous            | 1                            | 16/03/2022            | 31/03/2022            | -         | -          | -            | 1.01              |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous            | 1                            | 16/03/2022            | 31/03/2022            | -         | -          | -            | 1.43              |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days          | 5                            | Various               | 14/04/2022            | 4.3       | 14.8       | 5.3          | 53.7              |
| 11     | Conductivity                        | µS/cm                   | Special Frequency 1*  | 2                            | 8/03/2022, 28/03/2022 | 17/03/2022, 7/04/2022 | 348       | 352        | 352          | 356               |
|        | Total Organic Carbon                | mg/L                    |                       |                              |                       |                       | 5         | 11         | 10.5         | 16                |
| 12     | Conductivity                        | µS/cm                   | Special Frequency 1*  | 0                            | -                     | -                     | -         | -          | -            | -                 |
|        | Total Organic Carbon                | mg/L                    |                       |                              |                       |                       | -         | -          | -            | -                 |
| 13     | TSS                                 | mg/L                    | Special Frequency 2** | 0                            | -                     | -                     | -         | -          | -            | -                 |
|        | Conductivity                        | µS/cm                   |                       |                              |                       |                       | -         | -          | -            | -                 |
|        | Oil & Grease                        | mg/L                    |                       |                              |                       |                       | -         | -          | -            | -                 |
|        | pH                                  | pH                      |                       |                              |                       |                       | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                       |                              |                       |                       | -         | -          | -            | -                 |



## Rocglen 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                            | 28/03/2022      | 7/04/2022        | -         | -          | -            | 7.22              |
|        | Conductivity         | µS/cm            |                       |                              |                 |                  | -         | -          | -            | 276               |
|        | Oil & Grease         | mg/L             |                       |                              |                 |                  | -         | -          | -            | <5                |
|        | pH                   | pH               |                       |                              |                 |                  | -         | -          | -            | 16                |
|        | Total organic carbon | mg/L             |                       |                              |                 |                  | -         | -          | -            | 286               |
| 15     | TSS                  | mg/L             | Special Frequency 2** | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity         | µS /cm           |                       |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                       |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                       |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                       |                              |                 |                  | -         | -          | -            | -                 |

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* | 2                            | 8/03/2022, 28/03/2022 | 17/03/2022, 7/04/2022 | 911       | 1566              | 50            | No                  | Both result of >38.5mm of rainfall. No limit on TSS. |
|        | Oil & Grease | mg/L             |                      |                              |                       |                       | <5        | <5                | 10            | No                  |                                                      |
|        | pH           | pH               |                      |                              |                       |                       | 7.76      | 7.77              | 6.5-8.5       | No                  |                                                      |
| 12     | TSS          | mg/L             | Special Frequency 1* | 0                            | -                     | -                     | -         | -                 | 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.

\*\* 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.



## Rocglen Coal Mine- Monthly Monitoring Summary

**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

Figure 1 – EPL 12870 Monitoring Locations



## 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:** April 2022

**Obtained Date:** 11<sup>th</sup> May 2022

**Publication Date:** 18<sup>th</sup> May 2022

**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 (BD4) | g/m <sup>2</sup> /month | Continuous            | 1                            | 13/04/2022                                                            | 11/05/2022                         | -         | -          | -            | 3.08              |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous            | 1                            | 13/04/2022                                                            | 11/05/2022                         | -         | -          | -            | 1.21              |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days          | 5                            | 4/04/2022,<br>10/04/2022,<br>16/04/2022,<br>22/04/2022,<br>28/04/2022 | Last result received<br>11/05/2022 | 1.5       | 12.6       | 1.7          | 55.3              |
| 11     | Conductivity                        | µS/cm                   | Special Frequency 1*  | 0                            | -                                                                     | -                                  | -         | -          | -            | -                 |
|        | Total Organic Carbon                | mg/L                    |                       |                              |                                                                       |                                    | -         | -          | -            | -                 |
| 12     | Conductivity                        | µS/cm                   | Special Frequency 1*  | 0                            | -                                                                     | -                                  | -         | -          | -            | -                 |
|        | Total Organic Carbon                | mg/L                    |                       |                              |                                                                       |                                    | -         | -          | -            | -                 |
| 13     | TSS                                 | mg/L                    | Special Frequency 2** | 0                            | -                                                                     | -                                  | -         | -          | -            | -                 |
|        | Conductivity                        | µS/cm                   |                       |                              |                                                                       |                                    | -         | -          | -            | -                 |
|        | Oil & Grease                        | mg/L                    |                       |                              |                                                                       |                                    | -         | -          | -            | -                 |
|        | pH                                  | pH                      |                       |                              |                                                                       |                                    | -         | -          | -            | -                 |



## Rocglen 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 |
|--------|----------------------|------------------|-----------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
|        | Total organic carbon | mg/L             |                       |                              |                 |                  | -         | -          | -            | -                 |
| 14     | TSS                  | mg/L             | Special Frequency 2** | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity         | µS/cm            |                       |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                       |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                       |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                       |                              |                 |                  | -         | -          | -            | -                 |
| 15     | TSS                  | mg/L             | Special Frequency 2** | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity         | µS /cm           |                       |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                       |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                       |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                       |                              |                 |                  | -         | -          | -            | -                 |

**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* | 0                            | -               | -                | -         | -                 | -             | -                   | -        |
|        | Oil & Grease | mg/L             |                      |                              |                 |                  | -         | -                 | -             | -                   |          |
|        | pH           | pH               |                      |                              |                 |                  | -         | -                 | -             | -                   |          |
| 12     | TSS          | mg/L             | Special Frequency 1* | 0                            | -               | -                | -         | -                 | -             | -                   | -        |
|        | Oil & Grease | mg/L             |                      |                              |                 |                  | -         | -                 | -             | -                   |          |
|        | pH           | pH               |                      |                              |                 |                  | -         | -                 | -             | -                   |          |

\* 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.

## Rocglen 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 Figure 1 – EPL 12870 Monitoring Locations



## 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: May 2022

Obtained Date: 15<sup>th</sup> June 2022

Publication Date: 20<sup>th</sup> June 2022

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 (BD4) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 13/05/2022                                                        | 1/06/2022                             | -         | -          | -            | 1.34              |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 13/05/2022                                                        | 1/06/2022                             | -         | -          | -            | 0.96              |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 4/05/2022<br>10/05/2022<br>16/05/2022<br>22/05/2022<br>28/05/2022 | 15/06/2022<br>(Last result received)  | 0.2       | 1.7        | 2.2          | 2.5               |
| 11     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 3                            | 5/05/2022<br>15/05/2022<br>23/05/2022                             | 27/05/2022<br>23/05/2022<br>1/06/2022 | 289.5     | 342.2      | 365          | 385.7             |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                   |                                       | 2.4       | 3.1        | 3            | 4                 |
| 12     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 0                            | -                                                                 | -                                     | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                   |                                       | -         | -          | -            | -                 |
| 13     | TSS                                 | mg/L                    | Special Frequency 2**(DDCK) | 0                            | -                                                                 | -                                     | -         | -          | -            | -                 |
|        | Conductivity                        | µS/cm                   |                             |                              |                                                                   |                                       | -         | -          | -            | -                 |
|        | Oil & Grease                        | mg/L                    |                             |                              |                                                                   |                                       | -         | -          | -            | -                 |
|        | pH                                  | pH                      |                             |                              |                                                                   |                                       | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                   |                                       | -         | -          | -            | -                 |



## Rocglen 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**(UNDC) | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity         | µS/cm            |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
| 15     | TSS                  | mg/L             | Special Frequency 2** (SD7) | 1                            | 18/05/2022      | 27/05/2022       | -         | -          | -            | 34                |
|        | Conductivity         | µS /cm           |                             |                              |                 |                  | -         | -          | -            | 250               |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | <5                |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | 7.6               |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | 14                |

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* | 3                            | 5/05/2022<br>15/05/2022<br>23/05/2022 | 27/05/2022<br>23/05/2022<br>1/06/2022 | 14        | 4540              | 50            | No                  | wet weather discharge event (15/05) resulted in TSS of 4,540. Rainfall exceeded 38.4mm. |
|        | Oil & Grease | mg/L             |                      |                              |                                       |                                       | <5        | <5                | 10            | No                  |                                                                                         |
|        | pH           | pH               |                      |                              |                                       |                                       | 8.12      | 8.48              | 6.5-8.5       | No                  |                                                                                         |
| 12     | TSS          | mg/L             | Special Frequency 1* | 0                            | -                                     | -                                     | -         | -                 | -             | No                  | -                                                                                       |
|        | Oil & Grease | mg/L             |                      |                              |                                       |                                       | -         | -                 | -             | No                  |                                                                                         |
|        | pH           | pH               |                      |                              |                                       |                                       | -         | -                 | -             | No                  |                                                                                         |

\* 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.

\*\* 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.

### Rocglen Coal Mine- Monthly Monitoring Summary

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

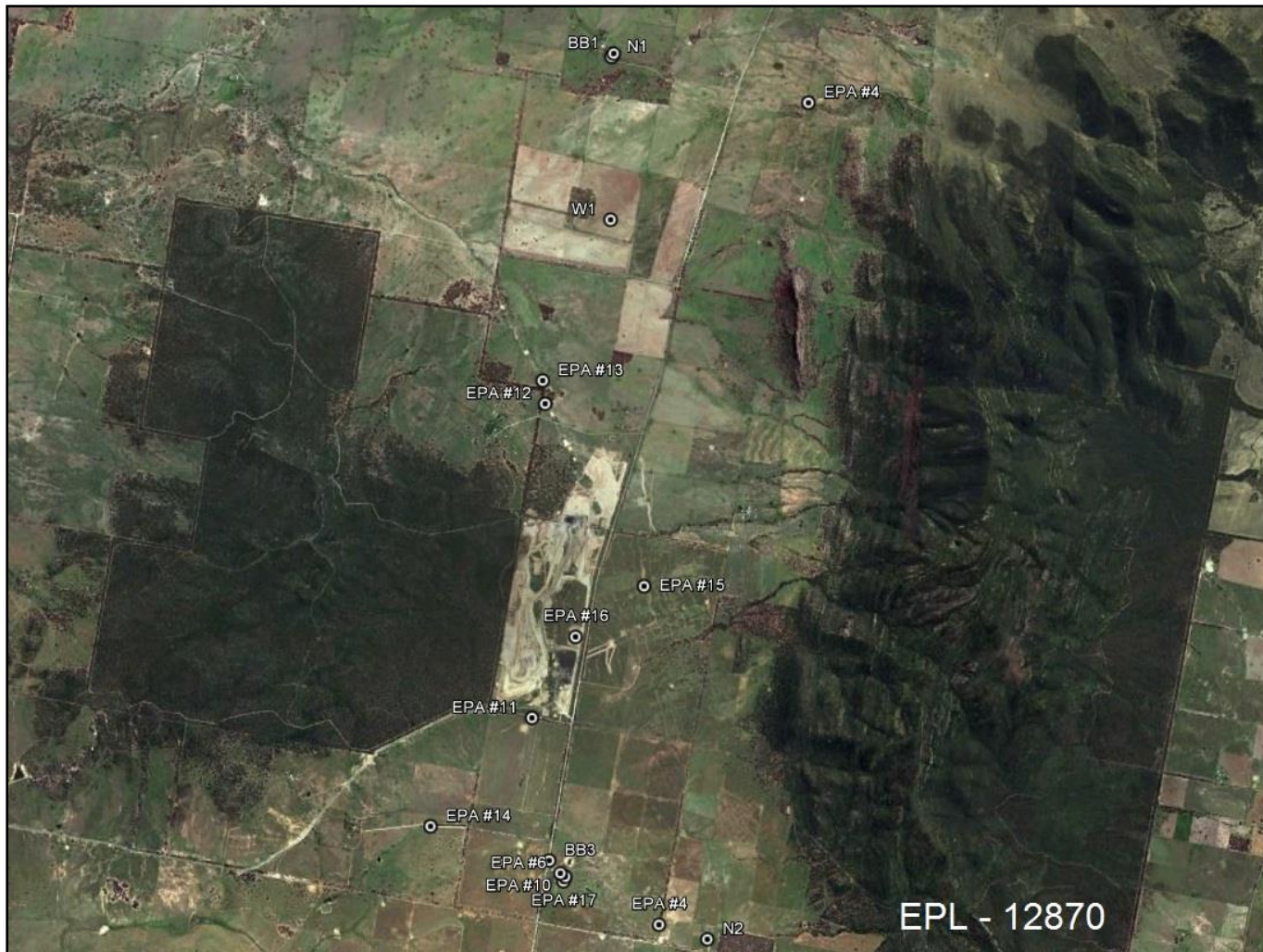
| EPL ID | Pollutant    | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date Sampled | Date Obtained | Min Value | Mean Value | Median Value | Max Value/Only Value |
|--------|--------------|------------------|----------------------|------------------------------|--------------|---------------|-----------|------------|--------------|----------------------|
| 16     | Aluminium    | mg/L             | Yearly               | 1                            | 18/05/2022   | 27/05/2022    | -         | -          | -            | 109                  |
|        | Arsenic      | mg/L             |                      |                              |              |               | -         | -          | -            | 0.015                |
|        | Bicarbonate  | mg/L             |                      |                              |              |               | -         | -          | -            | 138                  |
|        | Chloride     | mg/L             |                      |                              |              |               | -         | -          | -            | 27                   |
|        | Iron         | mg/L             |                      |                              |              |               | -         | -          | -            | 81.7                 |
|        | Manganese    | mg/L             |                      |                              |              |               | -         | -          | -            | 1.06                 |
|        | Sodium       | mg/L             |                      |                              |              |               | -         | -          | -            | 93                   |
| 16     | Conductivity | µS/cm            | Quarterly            | 1                            | 18/05/2022   | 27/05/2022    | -         | -          | -            | 590                  |
|        | Oil & Grease | mg/L             |                      |                              |              |               | -         | -          | -            | <5                   |
|        | pH           | pH               |                      |                              |              |               | -         | -          | -            | 8.5                  |
|        | TOC          | mg/L             |                      |                              |              |               | -         | -          | -            | 3                    |
|        | TSS          | mg/L             |                      |                              |              |               | -         | -          | -            | 827                  |



# WHITEHAVEN COAL

## Rocglen Coal Mine- Monthly Monitoring Summary

Figure 1 – EPL 12870 Monitoring Locations



## 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:** June 2022

**Obtained Date:** 8<sup>th</sup> July 2022

**Publication Date:** 19<sup>th</sup> July 2022

**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 (BD4) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 14/06/2022                                                       | 29/06/2022       | -         | -          | -            | 1.2               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 14/06/2022                                                       | 29/06/2022       | -         | -          | -            | 1.1               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 3/06/2022<br>9/06/2022<br>15/06/2022<br>21/06/2022<br>27/06/2022 | 8/07/2022        | 0.05      | 2.35       | 3.2          | 4.1               |
| 11     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 2                            | 2/06/2022                                                        | 14/06/2022       | 300.5     | 332.75     | 332.75       | 365               |
|        | Total organic carbon                | mg/L                    |                             |                              | 9/06/2022                                                        | 17/06/2022       | 2.4       | 2.7        | 2.7          | 3                 |
| 12     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 0                            | -                                                                | -                | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                  |                  | -         | -          | -            | -                 |
| 13     | TSS                                 | mg/L                    | Special Frequency 2**(DDCK) | 0                            | -                                                                | -                | -         | -          | -            | -                 |
|        | Conductivity                        | µS/cm                   |                             |                              |                                                                  |                  | -         | -          | -            | -                 |
|        | Oil & Grease                        | mg/L                    |                             |                              |                                                                  |                  | -         | -          | -            | -                 |
|        | pH                                  | pH                      |                             |                              |                                                                  |                  | -         | -          | -            | -                 |



## Rocglen 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 |
|--------|----------------------|------------------|-----------------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
| 14     | TSS                  | mg/L             | Special Frequency 2**(UNDC) | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity         | µS/cm            |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
| 15     | TSS                  | mg/L             | Special Frequency 2** (SD7) | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity         | µS /cm           |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |

**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* | 2                            | 2/06/2022<br>9/06/2022 | 14/06/2022<br>17/06/2022 | 2.5       | 10                | 50            | No                  | Both Controlled discharges |
|        | Oil & Grease | mg/L             |                      |                              |                        |                          | 5         | 5                 | 10            | No                  |                            |
|        | pH           | pH               |                      |                              |                        |                          | 8.39      | 8.49              | 6.5-8.5       | No                  |                            |
| 12     | TSS          | mg/L             | Special Frequency 1* | 0                            | -                      | -                        | -         | -                 | -             | No                  | -                          |
|        | Oil & Grease | mg/L             |                      |                              |                        |                          | -         | -                 | -             | No                  |                            |
|        | pH           | pH               |                      |                              |                        |                          | -         | -                 | -             | No                  |                            |

\* 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.

\*\* 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.

### Rocglen Coal Mine- Monthly Monitoring Summary

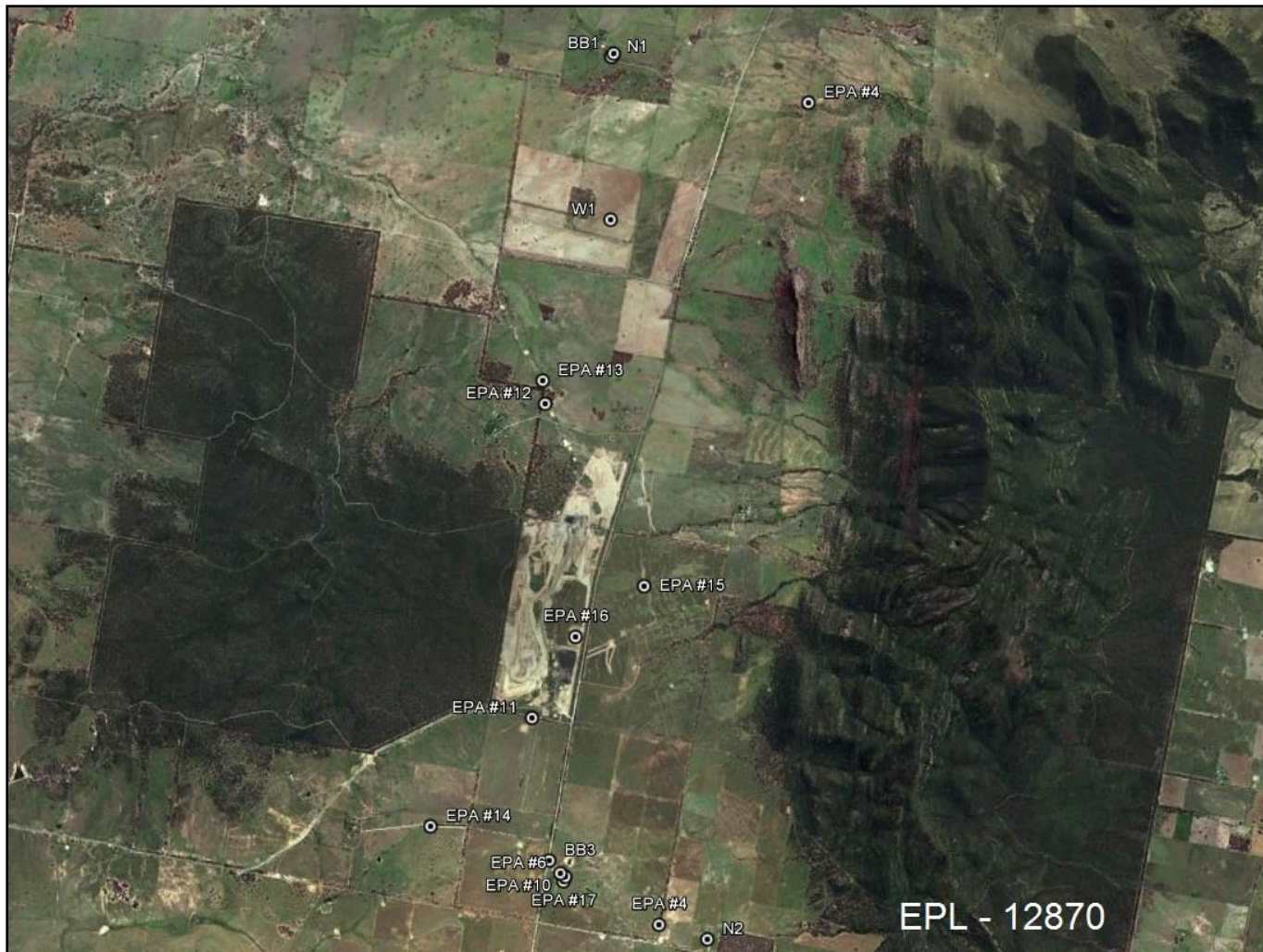
**Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)**

| 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             |                      |                              |              |               | -         | -          | -            | -                    |



## Rocglen Coal Mine- Monthly Monitoring Summary

Figure 1 – EPL 12870 Monitoring Locations



## 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: July 2022

Obtained Date: 9<sup>th</sup> August 2022

Publication Date: 19<sup>th</sup> August 2022

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 (BD4) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 14/07/2022                                                       | 3/08/2022        | -         | -          | -            | 1.04              |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 14/07/2022                                                       | 3/08/2022        | -         | -          | -            | 0.62              |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 3/07/2022<br>9/07/2022<br>15/07/2022<br>21/07/2022<br>27/07/2022 | 9/08/2022        | 0.05      | 0.75       | 0.4          | 2.8               |
| 11     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 0                            | -                                                                | -                | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                  |                  | -         | -          | -            | -                 |
| 12     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 0                            | -                                                                | -                | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                  |                  | -         | -          | -            | -                 |
| 13     | TSS                                 | mg/L                    | Special Frequency 2**(DDCK) | 0                            | -                                                                | -                | -         | -          | -            | -                 |
|        | Conductivity                        | µS/cm                   |                             |                              |                                                                  |                  | -         | -          | -            | -                 |
|        | Oil & Grease                        | mg/L                    |                             |                              |                                                                  |                  | -         | -          | -            | -                 |
|        | pH                                  | pH                      |                             |                              |                                                                  |                  | -         | -          | -            | -                 |



## Rocglan 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 |
|--------|----------------------|------------------|-----------------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
| 14     | TSS                  | mg/L             | Special Frequency 2**(UNDC) | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity         | µS/cm            |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
| 15     | TSS                  | mg/L             | Special Frequency 2** (SD7) | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity         | µS /cm           |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |

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* | 0                            | -               | -                | -         | -                 | -             | No                  | -        |
|        | Oil & Grease | mg/L             |                      |                              |                 |                  | -         | -                 | -             | No                  |          |
|        | pH           | pH               |                      |                              |                 |                  | -         | -                 | -             | No                  |          |
| 12     | TSS          | mg/L             | Special Frequency 1* | 0                            | -               | -                | -         | -                 | -             | No                  | -        |
|        | Oil & Grease | mg/L             |                      |                              |                 |                  | -         | -                 | -             | No                  |          |
|        | pH           | pH               |                      |                              |                 |                  | -         | -                 | -             | No                  |          |

\* 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.

\*\* 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.

### Rocglen Coal Mine- Monthly Monitoring Summary

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

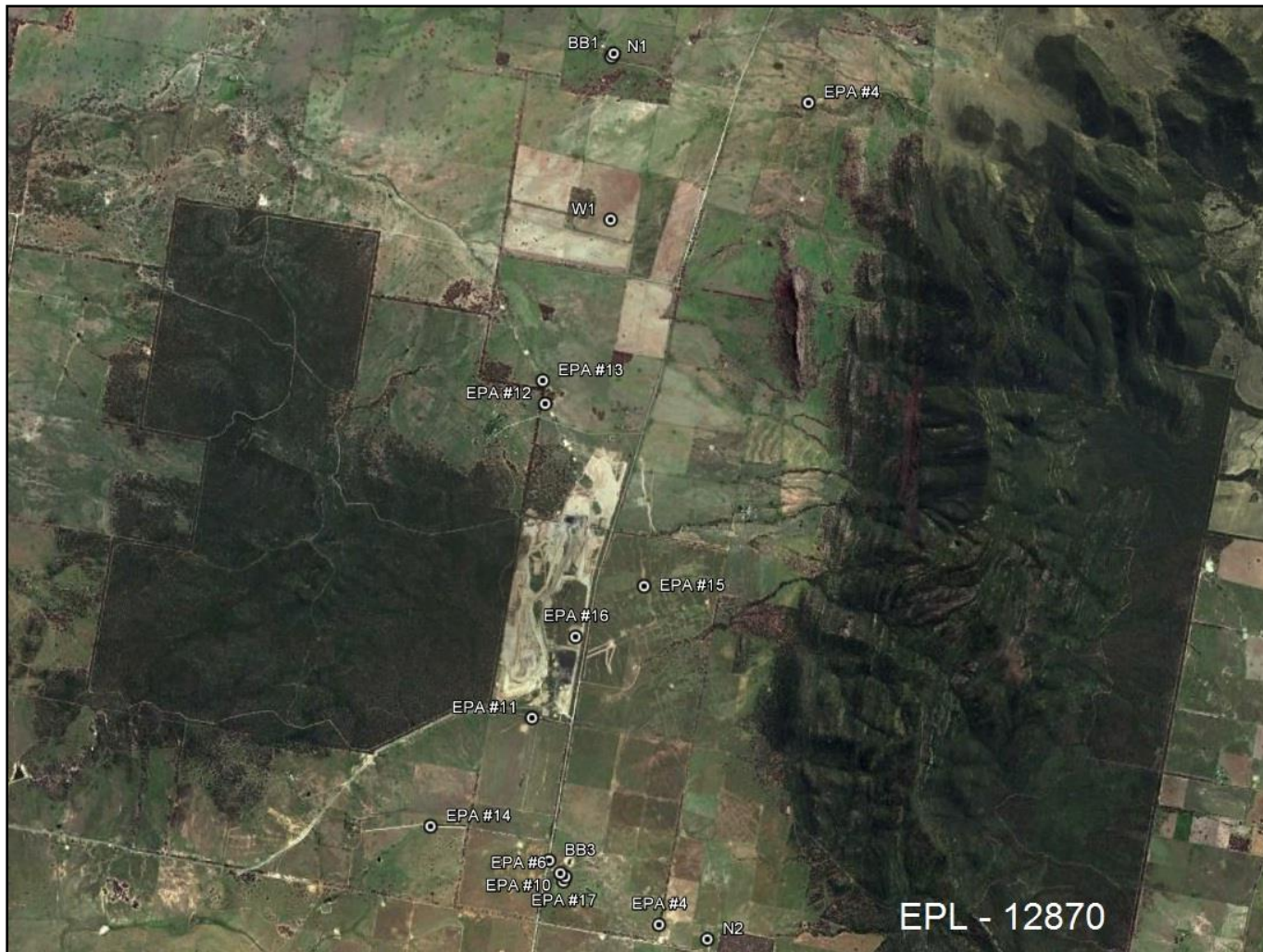
| EPL ID | Pollutant    | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date Sampled | Date Obtained | Min Value | Mean Value | Median Value | Max Value/Only Value |
|--------|--------------|------------------|----------------------|------------------------------|--------------|---------------|-----------|------------|--------------|----------------------|
| 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

Figure 1 – EPL 12870 Monitoring Locations





## 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:** August 2022

**Obtained Date:** 9<sup>th</sup> September 2022

**Publication Date:** 19<sup>th</sup> September 2022

**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 (BD4) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 8/08/2022                                                        | 25/08/2022       | -         | -          | -            | 0.57              |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 8/08/2022                                                        | 25/08/2022       | -         | -          | -            | 0.6               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 2/08/2022<br>8/08/2022<br>14/08/2022<br>20/08/2022<br>26/08/2022 | 9/09/2022        | 0.05      | 0.47       | 0.4          | 1                 |
| 11     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 3                            | 3/08/2022<br>5/08/2022<br>26/08/2022                             | 5/09/2022        | 81.4      | 294.8      | 369.7        | 433.4             |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                  |                  | 2         | 5          | 3            | 11                |
| 12     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 0                            | -                                                                | -                | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                  |                  | -         | -          | -            | -                 |
| 13     | TSS                                 | mg/L                    | Special Frequency 2**(DDCK) | 1                            | 5/08/2022                                                        | 10/08/2022       | -         | -          | -            | 68                |
|        | Conductivity                        | µS/cm                   |                             |                              |                                                                  |                  | -         | -          | -            | 92                |
|        | Oil & Grease                        | mg/L                    |                             |                              |                                                                  |                  | -         | -          | -            | <5                |



## Rocglen 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 |
|--------|----------------------|------------------|-----------------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | 6.9               |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | 14                |
| 14     | TSS                  | mg/L             | Special Frequency 2**(UNDC) | 1                            | 5/08/2022       | 10/08/2022       | -         | -          | -            | 351               |
|        | Conductivity         | µS/cm            |                             |                              |                 |                  | -         | -          | -            | 81.4              |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | 5                 |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | 7.09              |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | 12                |
| 15     | TSS                  | mg/L             | Special Frequency 2** (SD7) | 1                            | 10/08/2022      | 15/08/2022       | -         | -          | -            | 1640              |
|        | Conductivity         | µS /cm           |                             |                              |                 |                  | -         | -          | -            | 180               |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | <5                |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | 7.3               |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | 15                |

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* | 3                            | 3/08/2022<br>5/08/2022<br>26/08/2022 | 5/09/2022        | 13        | 5450 (ww discharge) | 50            | No                  | 2 controlled releases and 1 wet weather discharge (no TSS limit applies) |
|        | Oil & Grease | mg/L             |                      |                              |                                      |                  | <5        | <5                  | 10            | No                  |                                                                          |
|        | pH           | pH               |                      |                              |                                      |                  | 7.52      | 8.49                | 8.5           | No                  |                                                                          |
| 12     | TSS          | mg/L             | Special Frequency 1* | 0                            | -                                    | -                | -         | -                   | -             | No                  | -                                                                        |
|        | Oil & Grease | mg/L             |                      |                              |                                      |                  | -         | -                   | -             | No                  |                                                                          |
|        | pH           | pH               |                      |                              |                                      |                  | -         | -                   | -             | No                  |                                                                          |

\* 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.

## Rocglen 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            | 1                            | 10/08/2022   | 15/09/2022    | -         | -          | -            | 620                  |
|        | Oil & Grease | mg/L             |                      |                              |              |               | -         | -          | -            | <5                   |
|        | pH           | pH               |                      |                              |              |               | -         | -          | -            | 8.6                  |
|        | TOC          | mg/L             |                      |                              |              |               | -         | -          | -            | 38                   |
|        | TSS          | mg/L             |                      |                              |              |               | -         | -          | -            | 2020                 |



## Rocglen Coal Mine- Monthly Monitoring Summary

Figure 1 – EPL 12870 Monitoring Locations



## 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: September 2022

Obtained Date: 10<sup>th</sup> October 2022

Publication Date: 19<sup>th</sup> October 2022

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 (BD4) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 13/09/2022                                                       | 30/09/2022       | -         | -          | -            | 5.74              |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 13/09/2022                                                       | 30/09/2022       | -         | -          | -            | 1.09              |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 1/09/2022<br>7/09/2022<br>13/09/2022<br>19/09/2022<br>25/09/2022 | 10/10/2022       | 0.05      | 2.77       | 2            | 7.1               |
| 11     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 4                            | 8/09/2022<br>14/09/2022<br>16/09/2022<br>22/09/2022              | 4/10/2022        | 117       | 198        | 210.5        | 254.1             |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                  |                  | 3         | 8          | 6.5          | 16                |
| 12     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 0                            | -                                                                | -                | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                  |                  | -         | -          | -            | -                 |
| 13     | TSS                                 | mg/L                    | Special Frequency 2**(DDCK) | 1                            | 16/09/2022                                                       | 27/09/2022       | -         | -          | -            | 44                |
|        | Conductivity                        | µS/cm                   |                             |                              |                                                                  |                  | -         | -          | -            | 87                |
|        | Oil & Grease                        | mg/L                    |                             |                              |                                                                  |                  | -         | -          | -            | <5                |
|        | pH                                  | pH                      |                             |                              |                                                                  |                  | -         | -          | -            | 7.13              |



## Rocglen 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 |
|--------|----------------------|------------------|-----------------------------|------------------------------|---------------------------------------|------------------|-----------|------------|--------------|-------------------|
|        | Total organic carbon | mg/L             |                             |                              |                                       |                  | -         | -          | -            | 12                |
| 14     | TSS                  | mg/L             | Special Frequency 2**(UNDC) | 3                            | 9/09/2022<br>16/09/2022<br>22/09/2022 | 4/10/2022        | 276       | 752        | 899          | 1080              |
|        | Conductivity         | µS/cm            |                             |                              |                                       |                  | 105.8     | 135.3      | 126.1        | 174.1             |
|        | Oil & Grease         | mg/L             |                             |                              |                                       |                  | <5        | <5         | <5           | <5                |
|        | pH                   | pH               |                             |                              |                                       |                  | 7.08      | 7.21       | 7.2          | 7.34              |
|        | Total organic carbon | mg/L             |                             |                              |                                       |                  | 10        | 12         | 13           | 14                |
| 15     | TSS                  | mg/L             | Special Frequency 2** (SD7) | 0                            | -                                     | -                | -         | -          | -            | -                 |
|        | Conductivity         | µS /cm           |                             |                              |                                       |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                             |                              |                                       |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                             |                              |                                       |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                             |                              |                                       |                  | -         | -          | -            | -                 |

**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* | 4                            | 8/09/2022<br>14/09/2022<br>16/09/2022<br>22/09/2022 | 4/10/2022        | 23        | 3480              | 50            | No                  | We weather discharge (16 <sup>th</sup> Sept) |
|        | Oil & Grease | mg/L             |                      |                              |                                                     |                  | <5        | <5                | 10            | No                  |                                              |
|        | pH           | pH               |                      |                              |                                                     |                  | 7.38      | 8.5               | 8.5           | No                  |                                              |
| 12     | TSS          | mg/L             | Special Frequency 1* | 0                            | -                                                   | -                | -         | -                 | -             | No                  | -                                            |
|        | Oil & Grease | mg/L             |                      |                              |                                                     |                  | -         | -                 | -             | No                  |                                              |
|        | pH           | pH               |                      |                              |                                                     |                  | -         | -                 | -             | No                  |                                              |

\* 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.

\*\* 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.



**Rocglen Coal Mine- Monthly Monitoring Summary**  
**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             |                      |                              |              |               | -         | -          | -            | -                    |



## Rocglen Coal Mine- Monthly Monitoring Summary

Figure 1 – EPL 12870 Monitoring Locations



## 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: October 2022

Obtained Date: 11<sup>th</sup> November 2022

Publication Date: 17<sup>th</sup> November 2022

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 (BD4) | g/m <sup>2</sup> /month | Continuous           | 1                            | 12/10/2022                                                                     | 28/10/2022                           | -         | -          | -            | 0.58              |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous           | 1                            | 12/10/2022                                                                     | 28/10/2022                           | -         | -          | -            | 1.24              |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days         | 6                            | 1/10/2022<br>7/10/2022<br>14/10/2022<br>19/10/2022<br>25/10/2022<br>31/10/2022 | 11/11/2022<br>(Last result received) | 1.8       | 2.9        | 2.55         | 5.4               |
| 11     | Conductivity                        | µS /cm                  | Special Frequency 1* | 3                            | 5/10/2022<br>9/10/2022<br>21/10/2022                                           | 28/10/2022<br>(Last result received) | 97.2      | 218.1      | 277.5        | 279.7             |
|        | Total organic carbon                | mg/L                    |                      |                              |                                                                                |                                      | 3         | 8          | 8.5          | 12                |
| 12     | Conductivity                        | µS /cm                  | Special Frequency 1* | 3                            | 5/10/2022<br>21/10/2022<br>28/10/2022                                          | 3/11/2022<br>(Last result received)  | 145.7     | 261.9      | 298          | 342               |
|        | Total organic carbon                | mg/L                    |                      |                              |                                                                                |                                      | 6         | 13         | 6            | 26                |
| 13     | TSS                                 | mg/L                    |                      | 2                            | 9/10/2022                                                                      | 28/10/2022                           | 24        | 65         | 65           | 106               |
|        | Conductivity                        | µS/cm                   |                      |                              |                                                                                |                                      | 68.1      | 86.4       | 86.4         | 104.7             |

## Rocglen 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 |
|--------|----------------------|------------------|-----------------------------|------------------------------|-------------------------|--------------------------------------|-----------|------------|--------------|-------------------|
|        | Oil & Grease         | mg/L             | Special Frequency 2**(DDCK) |                              | 21/10/2022              | (Last result received)               | <5        | <5         | <5           | <5                |
|        | pH                   | pH               |                             |                              |                         |                                      | 6.86      | 7.24       | 7.24         | 7.62              |
|        | Total organic carbon | mg/L             |                             |                              |                         |                                      | 12        | 15         | 14.5         | 17                |
| 14     | TSS                  | mg/L             | Special Frequency 2**(UNDC) | 2                            | 9/10/2022<br>21/10/2022 | 28/10/2022<br>(Last result received) | 40        | 58         | 58           | 76                |
|        | Conductivity         | µS/cm            |                             |                              |                         |                                      | 67.1      | 116.3      | 116.3        | 165.5             |
|        | Oil & Grease         | mg/L             |                             |                              |                         |                                      | <5        | <5         | <5           | <5                |
|        | pH                   | pH               |                             |                              |                         |                                      | 7.1       | 7.13       | 7.13         | 7.16              |
|        | Total organic carbon | mg/L             |                             |                              |                         |                                      | 9         | 13         | 13           | 17                |
| 15     | TSS                  | mg/L             | Special Frequency 2** (SD7) | 1                            | 21/10/2022              | 28/10/2022<br>(Last result received) | -         | -          | -            | 31                |
|        | Conductivity         | µS /cm           |                             |                              |                         |                                      | -         | -          | -            | 326               |
|        | Oil & Grease         | mg/L             |                             |                              |                         |                                      | -         | -          | -            | <5                |
|        | pH                   | pH               |                             |                              |                         |                                      | -         | -          | -            | 6.78              |
|        | 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* | 3                            | 5/10/2022<br>9/10/2022<br>21/10/2022  | 28/10/2022<br>(Last result received) | 13        | 2280              | 50            | No                  | Wet weather discharge (21 <sup>st</sup> Oct) |
|        | Oil & Grease | mg/L             |                      |                              |                                       |                                      | <5        | <5                | 10            | No                  |                                              |
|        | pH           | pH               |                      |                              |                                       |                                      | 7.34      | 8.43              | 8.5           | No                  |                                              |
| 12     | TSS          | mg/L             | Special Frequency 1* | 3                            | 5/10/2022<br>21/10/2022<br>28/10/2022 | 3/11/2022<br>(Last result received)  | 33        | 158               | 50            | No                  | Wet weather discharge (21 <sup>st</sup> Oct) |
|        | Oil & Grease | mg/L             |                      |                              |                                       |                                      | <5        | <5                | 10            | No                  |                                              |
|        | pH           | pH               |                      |                              |                                       |                                      | 7.88      | 8.1               | 8.5           | No                  |                                              |

\* 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.

## Rocglen 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.

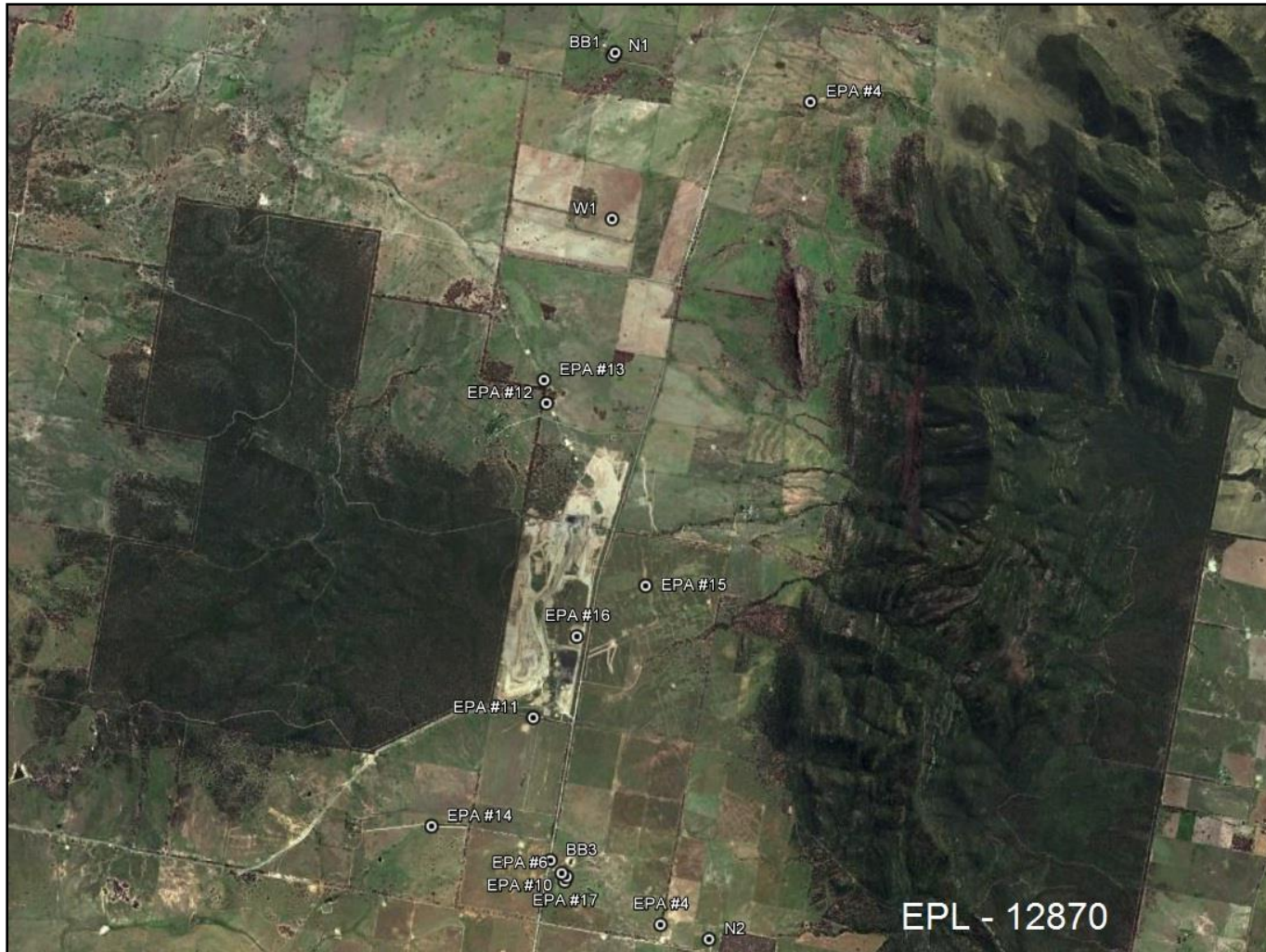
**Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)**

| 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



## 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: November 2022

Obtained Date: 16<sup>th</sup> December 2022

Publication Date: 20<sup>th</sup> December 2022

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 (BD4) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 10/11/2022                                                        | 12/10/2022                           | -         | -          | -            | 0.6               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 10/11/2022                                                        | 12/10/2022                           | -         | -          | -            | 1.2               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 6/11/2022<br>12/11/2022<br>18/11/2022<br>24/11/2022<br>30/11/2022 | 16/11/2022<br>(Last result received) | 0.05      | 6.47       | 4.4          | 16.8              |
| 11     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 2                            | 1/11/2022<br>14/11/2022                                           | 10/11/2022<br>18/11/2022             | 167.9     | 552.95     | 552.95       | 938               |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                   |                                      | 13        | 17         | 16.5         | 20                |
| 12     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 2                            | 14/11/2022<br>23/11/2022                                          | 18/11/2022<br>1/12/2022              | 266       | 271        | 271          | 276               |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                   |                                      | 6         | 6          | 6            | 6                 |
| 13     | TSS                                 | mg/L                    | Special Frequency 2**(DDCK) | 2                            | 1/11/2022<br>14/11/2022                                           | 10/11/2022<br>18/11/2022             | 15        | 36         | 35.5         | 56                |
|        | Conductivity                        | µS/cm                   |                             |                              |                                                                   |                                      | 158       | 281        | 281          | 404               |
|        | Oil & Grease                        | mg/L                    |                             |                              |                                                                   |                                      | <5        | <5         | <5           | <5                |
|        | pH                                  | pH                      |                             |                              |                                                                   |                                      | 7.3       | 7.6        | 7.55         | 7.8               |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                   |                                      | 18        | 27         | 27           | 36                |



## Rocglen 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**(UNDC) | 2                            | 1/11/2022<br>14/11/2022 | 10/11/2022<br>18/11/2022 | 33        | 39         | 39           | 45                |
|        | Conductivity         | µS/cm            |                             |                              |                         |                          | 100.8     | 101.4      | 101.4        | 102               |
|        | Oil & Grease         | mg/L             |                             |                              |                         |                          | <5        | <5         | <5           | <5                |
|        | pH                   | pH               |                             |                              |                         |                          | 6.84      | 6.85       | 6.85         | 6.85              |
|        | Total organic carbon | mg/L             |                             |                              |                         |                          | 12        | 13         | 13           | 14                |
| 15     | TSS                  | mg/L             | Special Frequency 2** (SD7) | 1                            | 1/11/2022               | 10/11/2022               |           |            |              | 29                |
|        | Conductivity         | µS /cm           |                             |                              |                         |                          |           |            |              | 43.8              |
|        | Oil & Grease         | mg/L             |                             |                              |                         |                          |           |            |              | <5                |
|        | pH                   | pH               |                             |                              |                         |                          |           |            |              | 6.55              |
|        | Total organic carbon | mg/L             |                             |                              |                         |                          |           |            |              | 13                |

**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* | 2                            | 1/11/2022<br>14/11/2022  | 10/11/2022<br>18/11/2022 | 136       | 1880              | 50            | No                  | Wet weather discharge                        |
|        | Oil & Grease | mg/L             |                      |                              |                          |                          | <5        | <5                | 10            | No                  |                                              |
|        | pH           | pH               |                      |                              |                          |                          | 7.81      | 8.38              | 8.5           | No                  |                                              |
| 12     | TSS          | mg/L             | Special Frequency 1* | 2                            | 14/11/2022<br>23/11/2022 | 18/11/2022<br>1/12/2022  | 26        | 36                | 50            | No                  | Wet weather discharge (14 <sup>th</sup> Nov) |
|        | Oil & Grease | mg/L             |                      |                              |                          |                          | <5        | <5                | 10            | No                  |                                              |
|        | pH           | pH               |                      |                              |                          |                          | 8.06      | 8.06              | 8.5           | No                  |                                              |

\* 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.

\*\* 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.



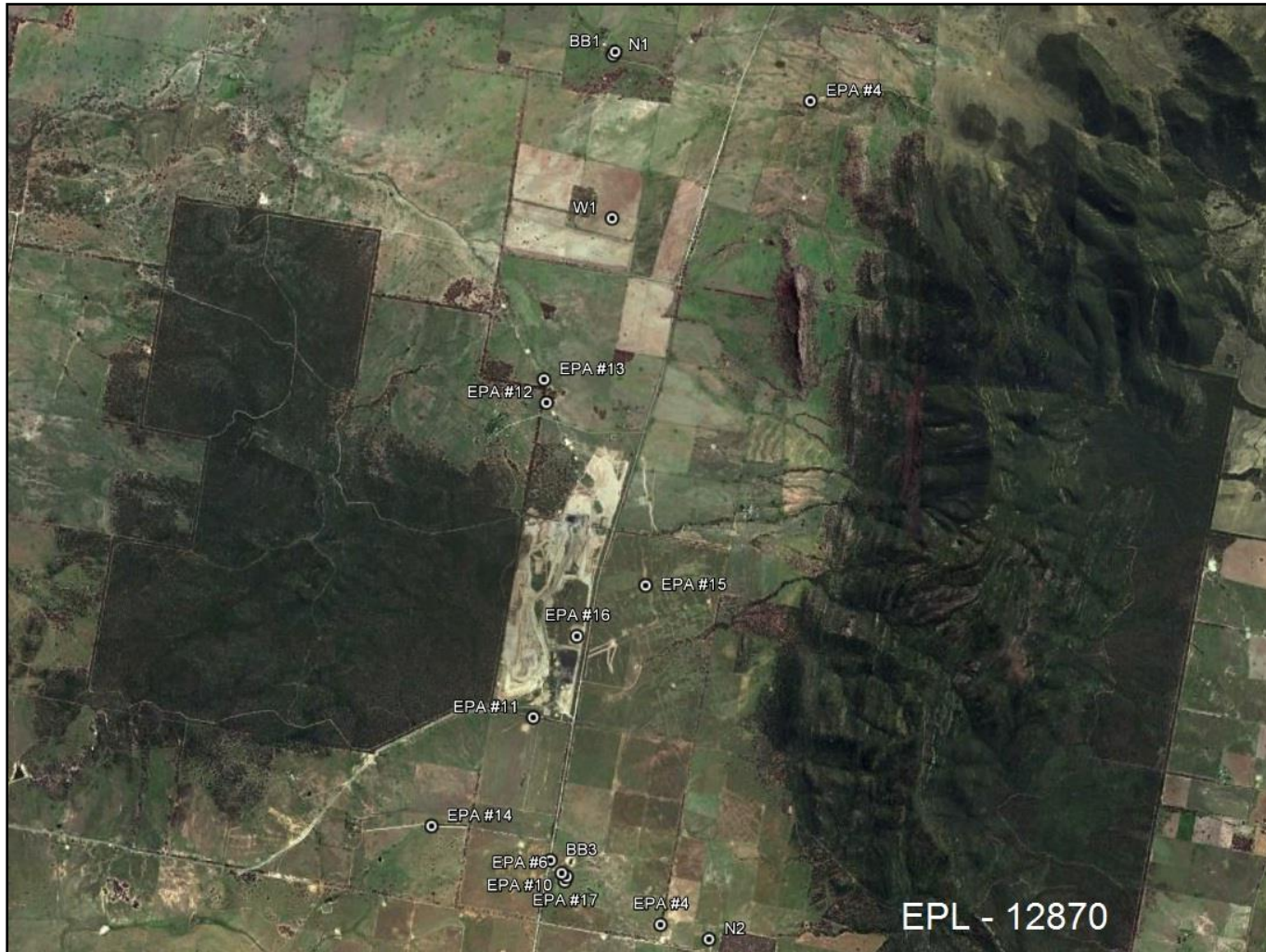
**Rocglen Coal Mine- Monthly Monitoring Summary**  
**Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)**

| 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            | 1                            | 10/11/2022   | 21/11/2022    | -         | -          | -            | 386                  |
|        | Oil & Grease | mg/L             |                      |                              |              |               | -         | -          | -            | <5                   |
|        | pH           | pH               |                      |                              |              |               | -         | -          | -            | 8.34                 |
|        | TOC          | mg/L             |                      |                              |              |               | -         | -          | -            | 5                    |
|        | TSS          | mg/L             |                      |                              |              |               | -         | -          | -            | 31                   |



# WHITEHAVEN COAL

## Rocglen Coal Mine- Monthly Monitoring Summary



## 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:** December 2022

**Obtained Date:** 20<sup>th</sup> January 2023

**Publication Date:** 20<sup>th</sup> January 2023

**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 (BD4) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 16/12/2022                                                        | 20/01/2023                           | -         | -          | -            | 1.49              |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 16/12/2022                                                        | 20/01/2023                           | -         | -          | -            | 1.2               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 6/12/2022<br>12/12/2022<br>18/12/2022<br>24/12/2022<br>30/12/2022 | 16/01/2023<br>(Last result received) | 0.5       | 6.29       | 6.9          | 12.6              |
| 11     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 0                            | -                                                                 | -                                    | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                   |                                      | -         | -          | -            | -                 |
| 12     | Conductivity                        | µS /cm                  | Special Frequency 1*        | 0                            | -                                                                 | -                                    | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                   |                                      | -         | -          | -            | -                 |
| 13     | TSS                                 | mg/L                    | Special Frequency 2**(DDCK) | 0                            | -                                                                 | -                                    | -         | -          | -            | -                 |
|        | Conductivity                        | µS/cm                   |                             |                              |                                                                   |                                      | -         | -          | -            | -                 |
|        | Oil & Grease                        | mg/L                    |                             |                              |                                                                   |                                      | -         | -          | -            | -                 |
|        | pH                                  | pH                      |                             |                              |                                                                   |                                      | -         | -          | -            | -                 |
|        | Total organic carbon                | mg/L                    |                             |                              |                                                                   |                                      | -         | -          | -            | -                 |



## 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**(UNDC) | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity         | µS/cm            |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
| 15     | TSS                  | mg/L             | Special Frequency 2** (SD7) | 0                            | -               | -                | -         | -          | -            | -                 |
|        | Conductivity         | µS /cm           |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | -                 |

**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* | 0                            | -               | -                | -         | -                 | 50            | -                   | -        |
|        | Oil & Grease | mg/L             |                      |                              |                 |                  | -         | -                 | 10            | -                   |          |
|        | pH           | pH               |                      |                              |                 |                  | -         | -                 | 8.5           | -                   |          |
| 12     | TSS          | mg/L             | Special Frequency 1* | 0                            | -               | -                | -         | -                 | 50            | -                   | -        |
|        | Oil & Grease | mg/L             |                      |                              |                 |                  | -         | -                 | 10            | -                   |          |
|        | pH           | pH               |                      |                              |                 |                  | -         | -                 | 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.

\*\* 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.



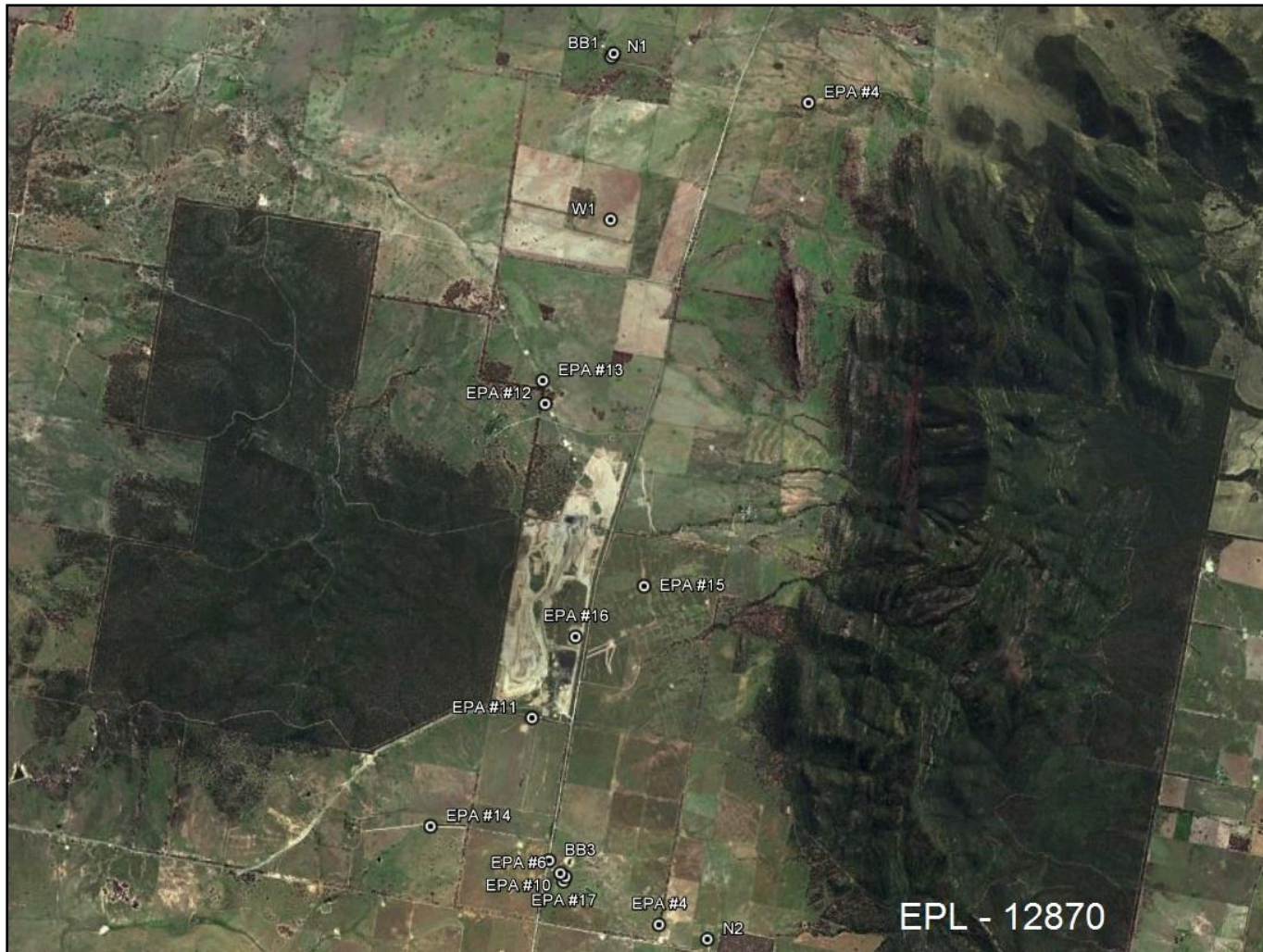
**Rocglen Coal Mine- Monthly Monitoring Summary**  
**Table 3 – Monitoring (Quarterly & Yearly – No Limits apply)**

| 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



## Rocglan Coal Mine- Monthly Monitoring Summary

### EPL MONTHLY MONITORING REPORTS 2022 CORRECTION LOG

| Month of EPL Report | Date of Original Publishing    | Date of Correction        | Date of Republishing       | Correction/s made                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|--------------------------------|---------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| January 2022        | 17 <sup>th</sup> February 2022 | 9 <sup>th</sup> June 2022 | 20 <sup>th</sup> June 2022 | <ul style="list-style-type: none"> <li>Removed TSS, Oil &amp; Grease and pH for EPL ID 11 and 12 from Table 1 (already exists in Table 2).</li> <li>Added 'Total organic carbon' as a pollutant for EPL ID 12 in Table 1.</li> </ul> <p>Changed Monitoring Frequency in table 2 (original data: Special Frequency 2**, corrected data: Special Frequency 1*) for EPL ID 11 and 12.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| February 2022       | 21 <sup>st</sup> March 2022    | 9 <sup>th</sup> June 2022 | 20 <sup>th</sup> June 2022 | <ul style="list-style-type: none"> <li>Removed TSS, Oil &amp; Grease and pH for EPL ID 11 and 12 from Table 1 (already exists in Table 2).</li> <li>Added 'Total organic carbon' as a pollutant for EPL ID 12 in Table 1.</li> <li>Added Date(s) Obtained data, (corrected data: 2/03/2022) to Table 1 for EPL ID 11.</li> <li>Added Date(s) Sampled data, (corrected data: 22/02/2022) to Table 1 for EPL ID 11.</li> <li>Added Max or only Value data for conductivity pollutant, (corrected data: 603) to Table 1 for EPL ID 11.</li> <li>Added Max or only Value data for Total organic carbon pollutant, (corrected data: 8) to Table 1 for EPL ID 11.</li> <li>Added No. of Samples for the Month data, (corrected data: 1) to Table 1 for EPL ID 11.</li> </ul> <p>Changed Monitoring Frequency in table 2 (original data: Special Frequency 2**, corrected data: Special Frequency 1*) for EPL ID 11 and 12.</p> |



# WHITEHAVEN COAL

## Rocglen Coal Mine- Monthly Monitoring Summary

|               |                                |                           |                            |                                                                                            |
|---------------|--------------------------------|---------------------------|----------------------------|--------------------------------------------------------------------------------------------|
| March 2022    | 20 <sup>th</sup> April 2022    | 9 <sup>th</sup> June 2022 | 20 <sup>th</sup> June 2022 | No change top data, data copied into new template that is consistent with previous months. |
| April 2022    | 18 <sup>th</sup> May 2022      | 9 <sup>th</sup> June 2022 | 20 <sup>th</sup> June 2022 | No change top data, data copied into new template that is consistent with previous months. |
| May 2022      | 20 <sup>th</sup> June 2022     | 19 <sup>th</sup> May 2025 | 19 <sup>th</sup> May 2025  | Missing data from EPL ID 11 in Table 1                                                     |
| November 2022 | 20 <sup>th</sup> December 2022 | 19 <sup>th</sup> May 2025 | 19 <sup>th</sup> May 2025  | Quarterly results added to EPL16 in Table 3.                                               |