



## 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 2024

**Obtained Date:** 21<sup>st</sup> February 2024

**Publication Date:** 22<sup>nd</sup> February 2024

**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                            | 12/01/2024  | 30/01/2024       | -         | -          | -            | 1.6               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 12/01/2024  | 30/01/2024       | -         | -          | -            | 1.0               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 6/01/2024<br>12/01/2024<br>18/01/2024<br>24/01/2024<br>30/01/2024 | 21/02/2024       | 3.4       | 7          | 5.7          | 11.1              |
| 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                      |                             |                              |   |                  | -         | -          | -            | -                 |



# WHITEHAVEN COAL

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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 |
|--------|----------------------|------------------|-----------------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
|        | 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.



## Rocgen 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

## Rocgen 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 2024

**Obtained Date:** 17<sup>th</sup> March 2024

**Publication Date:** 27<sup>th</sup> March 2024

**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                            | 12/02/2024  | 17/03/2024       | -         | -          | -            | 1.6               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 12/02/2024  | 17/03/2024       | -         | -          | -            | 1.0               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 5/02/2024<br>11/02/2024<br>17/02/2024<br>23/02/2024<br>29/02/2024 | 11/04/2024       | 3.6       | 7.5        | 6.3          | 13.1              |
| 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                    |                             |                              |   |                  | -         | -          | -            | -                 |



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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 |
|--------|----------------------|------------------|-----------------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | -                 |
|        | 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.



# WHITEHAVEN COAL

## Rocgen Coal Mine- Monthly Monitoring Summary

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

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

| EPL ID | Pollutant    | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date Sampled | Date Obtained | Min Value | Mean Value | Median Value | Max Value/Only Value |
|--------|--------------|------------------|----------------------|------------------------------|--------------|---------------|-----------|------------|--------------|----------------------|
| 16     | Aluminium    | mg/L             | Yearly               | 0                            | -            | -             | -         | -          | -            | -                    |
|        | Arsenic      | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Bicarbonate  | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Chloride     | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Iron         | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Manganese    | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Sodium       | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
| 16     | Conductivity | µS/cm            | Quarterly            | 1                            | 15/02/2024   | 22/02/2024    | -         | -          | -            | 836                  |
|        | Oil & Grease | mg/L             |                      |                              |              |               | -         | -          | -            | <5                   |
|        | pH           | pH               |                      |                              |              |               | -         | -          | -            | 8.92                 |
|        | TOC          | mg/L             |                      |                              |              |               | -         | -          | -            | 5                    |
|        | TSS          | mg/L             |                      |                              |              |               | -         | -          | -            | 91                   |



# WHITEHAVEN COAL

## Rocgen 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 2024

**Obtained Date:** 17<sup>th</sup> April 2024

**Publication Date:** 18<sup>th</sup> April 2024

**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                            | 14/03/2024  | 19/03/2024       | -         | -          | -            | 1.1               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 14/03/2024  | 19/03/2024       | -         | -          | -            | 1.0               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 6/03/2024<br>12/03/2024<br>18/03/2024<br>24/03/2024<br>30/03/2024 | 13/04/2024       | 5.5       | 8.48       | 8.2          | 13.1              |
| 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                      |                             |                              |   |                  | -         | -          | -            | -                 |



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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 |
|--------|----------------------|------------------|-----------------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
|        | 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.

## Rocgen 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             |                      |                              |              |               | -         | -          | -            | -                    |

**Figure 1 – EPL 12870 Monitoring Locations**



# WHITEHAVEN COAL

## Rocgen 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:** April 2024

**Obtained Date:** 14<sup>th</sup> May 2024

**Publication Date:** 21<sup>st</sup> May 2024

**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                            | 11/04/2024  | 22/04/2024       | -         | -          | -            | 0.5               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 11/04/2024  | 22/04/2024       | -         | -          | -            | 0.5               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 8/04/2024<br>11/04/2024<br>17/04/2024<br>23/04/2024<br>29/04/2024 | 14/05/2024       | 3.7       | 7.22       | 6.1          | 12.7              |
| 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                      |                             |                              |   |                  | -         | -          | -            | -                 |



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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 |
|--------|----------------------|------------------|-----------------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
|        | 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.



## Rocgen 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             |                      |                              |              |               | -         | -          | -            | -                    |

Figure 1 – EPL 12870 Monitoring Locations



# WHITEHAVEN COAL

## Rocgen 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:** May 2024

**Obtained Date:** 11<sup>th</sup> June 2024

**Publication Date:** 21<sup>st</sup> June 2024

**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                            | 10/05/2024  | 30/05/2024       | -         | -          | -            | 1.2               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 10/05/2024  | 30/05/2024       | -         | -          | -            | 0.3               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 5/05/2024<br>09/05/2024<br>17/05/2024<br>23/05/2024<br>29/05/2024 | 11/06/2024       | 1.4       | 8.42       | 8.7          | 15.5              |
| 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                      |                             |                              |   |                  | -         | -          | -            | -                 |



## 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) | 1                            | 28/05/24        | 05/06/24         | -         | -          | -            | 34                |
|        | Conductivity         | µS/cm            |                             |                              |                 |                  | -         | -          | -            | 444               |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | <5                |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | 7.7               |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | 20                |

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.



## Rocgen 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 (Void)        | 0                            | -            | -             | -         | -          | -            | -                    |
|        | Arsenic      | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Bicarbonate  | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Chloride     | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Iron         | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Manganese    | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Sodium       | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
| 16     | Conductivity | µS/cm            | Quarterly (Void)     | 1                            | 28/05/24     | 05/06/24      | -         | -          | -            | 954                  |
|        | Oil & Grease | mg/L             |                      |                              |              |               | -         | -          | -            | <5                   |
|        | pH           | pH               |                      |                              |              |               | -         | -          | -            | 8.98                 |
|        | TOC          | mg/L             |                      |                              |              |               | -         | -          | -            | 5                    |
|        | TSS          | mg/L             |                      |                              |              |               | -         | -          | -            | 53                   |

Figure 1 – EPL 12870 Monitoring Locations



# WHITEHAVEN COAL

## Rocgen 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:** June 2024

**Obtained Date:** 11<sup>th</sup> June 2024

**Publication Date:** 25<sup>th</sup> June 2024

**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                  | 0                            | 11/06/24   | 26/06/2024       | -         | -          | -            | 0.9               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 0                            | 11/06/2024   | 26/06/2024       | -         | -          | -            | 0.2               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 04/06/2024<br>10/06/2024<br>16/06/2024<br>22/06/2024<br>28/06/2024 | 11/06/2024       | 2.8       | 4.08       | 3.9          | 6.1               |
| 11     | Conductivity                        | µS/cm                   | Special Frequency 1*        | 1                            | 01/06/2024   | 01/06/2024       | -         | -          | -            | 402               |
|        | Total organic carbon                | mg/L                    |                             |                              |  |                  | -         | -          | -            | 7                 |
| 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                    |                             |                              |  |                  | -         | -          | -            | -                 |



# WHITEHAVEN COAL

## Rocgen Coal Mine- Monthly Monitoring Summary

| EPL ID | Pollutant            | Units of Measure | Monitoring Frequency        | No. of Samples for the Month | Date(s) Sampled | Date(s) Obtained | Min Value | Mean Value | Median Value | Max or Only Value |
|--------|----------------------|------------------|-----------------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
| 14     | TSS                  | mg/L             | Special Frequency 2**(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* | 1                            | 01/06/2024      | 26/06/2024       | -         | 518               | 50            | No                  | Result of >56.8mm rainfall. No limit on TSS |
|        | Oil & Grease | mg/L             |                      |                              |                 |                  | -         | < 5               | 10            | No                  |   |
|        | pH           | pH               |                      |                              |                 |                  | -         | 7.44              | 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.

**Rocgen 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 (Void)        | 1                            | 26/06/2024   | 04/07/2024    | -         | -          | -            | 0.32                 |
|        | Arsenic      | mg/L             |                      |                              |              |               | -         | -          | -            | 0.008                |
|        | Bicarbonate  | mg/L             |                      |                              |              |               | -         | -          | -            | 219                  |
|        | Chloride     | mg/L             |                      |                              |              |               | -         | -          | -            | 105                  |
|        | Iron         | mg/L             |                      |                              |              |               | -         | -          | -            | 0.15                 |
|        | Manganese    | mg/L             |                      |                              |              |               | -         | -          | -            | 0.029                |
|        | Sodium       | mg/L             |                      |                              |              |               | -         | -          | -            | 146                  |
| 16     | Conductivity | µS/cm            | Quarterly (Void)     | 0                            | -            | -             | -         | -          | -            | -                    |
|        | Oil & Grease | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | pH           | pH               |                      |                              |              |               | -         | -          | -            | -                    |
|        | TOC          | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | TSS          | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |

**Figure 1 – EPL 12870 Monitoring Locations**



# WHITEHAVEN COAL

## Rocgen 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:** July 2024

**Obtained Date:** 08<sup>th</sup> August 2024

**Publication Date:** 19<sup>th</sup> August 2024

**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                            | 10/07/24   | 23/07/2024       | -         | -          | -            | 5.3               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 10/07/2024   | 23/07/2024       | -         | -          | -            | 0.3               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 04/07/2024<br>10/07/2024<br>16/07/2024<br>22/07/2024<br>28/07/2024 | 08/08/2024       | 1.6       | 4.14       | 3.9          | 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                    |                             |                              |  |                  | -         | -          | -            | -                 |



# WHITEHAVEN COAL

## Rocgen Coal Mine- Monthly Monitoring Summary

| EPL ID | Pollutant            | Units of Measure | Monitoring Frequency        | No. of Samples for the Month | Date(s) Sampled | Date(s) Obtained | Min Value | Mean Value | Median Value | Max or Only Value |
|--------|----------------------|------------------|-----------------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
| 14     | TSS                  | mg/L             | Special Frequency 2**(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.

**Rocgen 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 (Void)        | 0                            | -            | -             | -         | -          | -            | -                    |
|        | Arsenic      | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Bicarbonate  | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Chloride     | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Iron         | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Manganese    | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Sodium       | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
| 16     | Conductivity | µS/cm            | Quarterly (Void)     | 0                            | -            | -             | -         | -          | -            | -                    |
|        | Oil & Grease | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | pH           | pH               |                      |                              |              |               | -         | -          | -            | -                    |
|        | TOC          | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | TSS          | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |

**Figure 1 – EPL 12870 Monitoring Locations**



# WHITEHAVEN COAL

## Rocgen 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:** August 2024

**Obtained Date:** 10<sup>th</sup> September 2024

**Publication Date:** 19<sup>th</sup> September 2024

**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                            | 08/08/24   | 30/08/2024       | -         | -          | -            | 1.2               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 08/08/2024   | 30/08/2024       | -         | -          | -            | 0.9               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 4                            | 07/08/2024<br>15/08/2024<br>21/08/2024<br>27/08/2024 | 10/09/2024       | 1.5       | 8.6        | 10.25        | 17.4              |
| 11     | Conductivity                        | µS/cm                   | Special Frequency 1*        | 1                            | 06/08/2024   | -                | -         | -          | -            | 379               |
|        | Total organic carbon                | mg/L                    |                             |                              |  |                  | -         | -          | -            | 5                 |
| 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) | 1                            | 06/08/2024      | 15/08/2024       | -         | -          | -            | 117               |
|        | Conductivity         | µS/cm            |                             |                              |                 |                  | -         | -          | -            | 118               |
|        | Oil & Grease         | mg/L             |                             |                              |                 |                  | -         | -          | -            | 5                 |
|        | pH                   | pH               |                             |                              |                 |                  | -         | -          | -            | 7.41              |
|        | Total organic carbon | mg/L             |                             |                              |                 |                  | -         | -          | -            | 13                |
| 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                            | 06/08/2024      | 15/08/2024       | -         | 102               | -             | No                  | -        |
|        | Oil & Grease | mg/L             |                      |                              |                 |                  | -         | < 5               | -             | No                  |          |
|        | pH           | pH               |                      |                              |                 |                  | -         | 7.75              | -             | 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.

## Rocgen 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 (Void)        | 0                            |              |               | -         | -          | -            | -                    |
|        | Arsenic      | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Bicarbonate  | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Chloride     | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Iron         | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Manganese    | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Sodium       | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
| 16     | Conductivity | µS/cm            | Quarterly (Void)     | 1                            | 13/08/2024   | 21/08/2024    | -         | -          | -            | 600                  |
|        | Oil & Grease | mg/L             |                      |                              |              |               | -         | -          | -            | < 5                  |
|        | pH           | pH               |                      |                              |              |               | -         | -          | -            | 8.48                 |
|        | TOC          | mg/L             |                      |                              |              |               | -         | -          | -            | 4                    |
|        | TSS          | mg/L             |                      |                              |              |               | -         | -          | -            | 16                   |

**Figure 1 – EPL 12870 Monitoring Locations**



# WHITEHAVEN COAL

## Rocgen 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:** September 2024

**Obtained Date:** 09<sup>th</sup> October 2024

**Publication Date:** 15<sup>th</sup> October 2024

**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                            | 05/09/2024   | 23/09/2024       | -         | -          | -            | 0.7               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 05/09/2024   | 23/09/2024       | -         | -          | -            | 1.1               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 02/09/2024<br>08/09/2024<br>14/09/2024<br>20/09/2024<br>26/09/2024 | 09/10/2024       | 2.9       | 10.12      | 10.6         | 16.2              |
| 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                            | -               | -                | -         | -                 | -             | 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.

**Rocgen 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 (Void)        | -                            | -            | -             | -         | -          | -            | -                    |
|        | Arsenic      | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Bicarbonate  | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Chloride     | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Iron         | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Manganese    | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Sodium       | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
| 16     | Conductivity | µS/cm            | Quarterly (Void)     | -                            | -            | -             | -         | -          | -            | -                    |
|        | Oil & Grease | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | pH           | pH               |                      |                              |              |               | -         | -          | -            | -                    |
|        | TOC          | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | TSS          | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |

**Figure 1 – EPL 12870 Monitoring Locations**



# WHITEHAVEN COAL

## Rocgen 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: October 2024

Obtained Date: 7<sup>th</sup> November 2024

Publication Date: 12<sup>th</sup> November 2024

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                            | 03/10/2024   | 23/10/2024       | -         | -          | -            | 0.3               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 03/10/2024   | 23/10/2024       | -         | -          | -            | 0.5               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 02/10/2024<br>08/10/2024<br>14/10/2024<br>20/10/2024<br>26/10/2024 | 07/11/2024       | 5.0       | 9.02       | 8.0          | 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                    |                             |                              |  |                  | -         | -          | -            | -                 |



## 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)  | 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.

**Rocgen 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 (Void)        | -                            | -            | -             | -         | -          | -            | -                    |
|        | Arsenic      | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Bicarbonate  | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Chloride     | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Iron         | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Manganese    | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Sodium       | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
| 16     | Conductivity | µS/cm            | Quarterly (Void)     | -                            | -            | -             | -         | -          | -            | -                    |
|        | Oil & Grease | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | pH           | pH               |                      |                              |              |               | -         | -          | -            | -                    |
|        | TOC          | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | TSS          | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |

**Figure 1 – EPL 12870 Monitoring Locations**



# WHITEHAVEN COAL

## Rocgen 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 2024

**Obtained Date:** 9<sup>th</sup> December 2024

**Publication Date:** 23<sup>rd</sup> December 2024

**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                            | 4/11/2024  | 26/11/2024       | -         | -          | -            | 0.9               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 4/11/2024  | 26/11/2024       | -         | -          | -            | 0.6               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 01/11/2024<br>07/11/2024<br>13/11/2024<br>19/11/2024<br>25/11/2024 | 09/12/2024       | 9.9       | 17.6       | 15.9         | 29.5              |
| 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                    |                             |                              |  |                  | -         | -          | -            | -                 |



# WHITEHAVEN COAL

## Rocgen Coal Mine- Monthly Monitoring Summary

| EPL ID | Pollutant            | Units of Measure | Monitoring Frequency        | No. of Samples for the Month | Date(s) Sampled | Date(s) Obtained | Min Value | Mean Value | Median Value | Max or Only Value |
|--------|----------------------|------------------|-----------------------------|------------------------------|-----------------|------------------|-----------|------------|--------------|-------------------|
| 14     | TSS                  | mg/L             | Special Frequency 2**(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* | 1                            | 2/12/2024       | 12/12/2024       | -         | 54                | -             | No                  | 56.8mm in a 5 day period |
|        | Oil & Grease | mg/L             |                      |                              |                 |                  | -         | <5                | -             | No                  |                          |
|        | pH           | pH               |                      |                              |                 |                  | -         | 8.33              | -             | 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.

## Rocgen 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 (Void)        | -                            | -            | -             | -         | -          | -            | -                    |
|        | Arsenic      | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Bicarbonate  | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Chloride     | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Iron         | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Manganese    | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Sodium       | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
| 16     | Conductivity | µS/cm            | Quarterly (Void)     | 1                            | 20/11/2024   | -             | -         | -          | -            | 1160                 |
|        | Oil & Grease | mg/L             |                      |                              |              |               | -         | -          | -            | <5                   |
|        | pH           | pH               |                      |                              |              |               | -         | -          | -            | 9.03                 |
|        | TOC          | mg/L             |                      |                              |              |               | -         | -          | -            | 13                   |
|        | TSS          | mg/L             |                      |                              |              |               | -         | -          | -            | *                    |

\*Laboratory reporting error, result to be added in due course



# 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:** December 2024

**Obtained Date:** 7<sup>th</sup> January 2025

**Publication Date:** 13<sup>th</sup> January 2025

**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                            | 6/12/2024  | 19/12/2024       | -         | -          | -            | 1.5               |
| 6      | Particulates-Deposited Matter (BD6) | g/m <sup>2</sup> /month | Continuous                  | 1                            | 6/12/2024  | 19/12/2024       | -         | -          | -            | 0.9               |
| 10     | PM <sub>10</sub>                    | µg/m <sup>3</sup>       | Every 6 days                | 5                            | 01/12/2024<br>07/12/2024<br>13/12/2024<br>19/12/2024<br>25/12/2024 | 07/01/2025       | 8.8       | 14.4       | 13           | 18.9              |
| 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                    |                             |                              |  |                  | -         | -          | -            | -                 |



# WHITEHAVEN COAL

## 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)  | 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.



# WHITEHAVEN COAL

## Rocgen 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 (Void)        | -                            | -            | -             | -         | -          | -            | -                    |
|        | Arsenic      | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Bicarbonate  | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Chloride     | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Iron         | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Manganese    | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
|        | Sodium       | mg/L             |                      |                              |              |               | -         | -          | -            | -                    |
| 16     | Conductivity | µS/cm            | Quarterly (Void)     | 1                            | 24/12/2024   | 06/01/2025    | -         | -          | -            | *                    |
|        | Oil & Grease | mg/L             |                      |                              |              |               | -         | -          | -            | *                    |
|        | pH           | pH               |                      |                              |              |               | -         | -          | -            | *                    |
|        | TOC          | mg/L             |                      |                              |              |               | -         | -          | -            | *                    |
|        | TSS          | mg/L             |                      |                              |              |               | -         | -          | -            | 232                  |

\*As reported in EPL report - November, 2024



# WHITEHAVEN COAL

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

