

## A. Statement of Compliance - Licence Details

ALL Licence holders must check that the Licence details in Section A are correct.

If there are changes to any of these details, you must advise Environment Protection Authority (EPA) and apply as soon as possible for a variation to your Licence or for a Licence transfer.

Licence variation and transfer application forms are available on the EPA website at: <http://www.epa.nsw.gov.au/licensing-and-regulation/licensing> or from regional offices of the EPA, or by contacting by telephone 02 9995 5700.

If you are applying to vary or transfer your Licence, you must still complete and submit this Annual Return.

### A1. Licence holder

Licence number : 529  
 Licence holder : WAMBO COAL PTY LIMITED  
 Trading name (if applicable) :  
 ABN : 13 000 668 057  
 ACN : 000 668 057  
 Reporting period : From: 1-1-2018 To: 31-12-2018

### A2. Premises to which Licence Applies (if applicable)

Common name (if any) : WAMBO COAL PTY LTD  
 Premises : JERRYS PLAINS ROAD WARKWORTH 2330 NSW

### A3. Activities to which Licence Applies

Mining for coal  
 Coal works

### A4. Other Activities (if applicable)

Sewage Treatment Systems  
 Chemical Storage Facilities

### A5. Fee-Based Activity Classifications

Note that the fee based activity classification is used to calculate the administrative fee.

| Fee-based activity | Activity scale | Unit of measure              |
|--------------------|----------------|------------------------------|
| Mining for coal    | > 5,000,000.00 | T annual production capacity |

|            |                |                           |
|------------|----------------|---------------------------|
| Coal works | > 5,000,000.00 | T annual handing capacity |
|------------|----------------|---------------------------|

## A6. Assessable Pollutants (if applicable)

Note that the identification of assessable pollutants is used to calculate the load-based fee.

The following assessable pollutants are identified for the fee-based activity classifications in the licence:

## B. Monitoring and Complaints Summary

### B1. Number of Pollution Complaints

| Pollution Complaint Category   | Complaints |
|--|------------|
| Air  | 9          |
| Water  | 0          |
| Noise  | 44         |
| Waste  | 0          |
| Other  | 12         |
| <b>Total complaints recorded by the licensee during the reporting period</b> | <b>65</b>  |

### B2. Concentration Monitoring Summary

For each concentration monitoring point identified in your licence, details are displayed below. If concentration monitoring is not required by your licence, no data will appear below.

If data was provided from an uploaded file, the file name will be displayed below instead of any data.

Note that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).

#### Monitoring Point 13

Particulate Matter Monitoring, Monitor AQ01 at coordinates 314095 6393959 (Easting Northing) on plan titled "Wambo Mine Environment Protection Licence 529 Plan of Premises - Monitoring Sites" DWG 2160-2 dated 3/3/2017 EPA Ref DOC17/147944

| Pollutant | Unit of measure            | No. of samples required | No. of samples collected and analysed | Lowest sample value | Mean of sample | Highest sample value |
|-----------|----------------------------|-------------------------|---------------------------------------|---------------------|----------------|----------------------|
| PM10      | micrograms per cubic metre | 365                     | 365                                   | 0                   | 22.2           | 574.7                |

#### Monitoring Point 14

Particulate Matter Monitoring, Monitor AQ02 at coordinates 312272 6390213 (Easting Northing) on plan titled "on plan titled "Wambo Mine Environment Protection Licence 529 Plan of Premises - Monitoring Sites" DWG 2160-2 dated 3/3/2017 EPA Ref DOC17/147944

| Pollutant | Unit of measure            | No. of samples required | No. of samples collected and analysed | Lowest sample value | Mean of sample | Highest sample value |
|-----------|----------------------------|-------------------------|---------------------------------------|---------------------|----------------|----------------------|
| PM10      | micrograms per cubic metre | 365                     | 364                                   | 0                   | 24.03          | 574.2                |

### Monitoring Point 15

Particulate Matter Monitoring, Monitor AQ03 at coordinates 304503 6398522 (Easting Northing) on plan titled "Wambo Mine Environment Protection Licence 529 Plan of Premises - Monitoring Sites" DWG 2160-2 dated 3/3/2017 EPA Ref DOC17/147944

| Pollutant | Unit of measure            | No. of samples required | No. of samples collected and analysed | Lowest sample value | Mean of sample | Highest sample value |
|-----------|----------------------------|-------------------------|---------------------------------------|---------------------|----------------|----------------------|
| PM10      | micrograms per cubic metre | 365                     | 363                                   | 0                   | 17.76          | 518.8                |

### Monitoring Point 16

Particulate Matter Monitoring, Monitor AQ04 at coordinates 305927 6399587 (Easting Northing) on plan titled "Wambo Mine Environment Protection Licence 529 Plan of Premises - Monitoring Sites" DWG 2160-2 dated 3/3/2017 EPA Ref DOC17/147944

| Pollutant | Unit of measure            | No. of samples required | No. of samples collected and analysed | Lowest sample value | Mean of sample | Highest sample value |
|-----------|----------------------------|-------------------------|---------------------------------------|---------------------|----------------|----------------------|
| PM10      | micrograms per cubic metre | 365                     | 364                                   | 0                   | 23.55          | 526.4                |

### Discharge & Monitoring Point 18

Discharge quality monitoring, STP Discharge monitoring point at coordinates 312057 6393219 (easting and northing) defined as STPD1 on plan titled "Wambo Mine Environment Protection Licence 529 Plan of Premises - Monitoring Sites" DWG 2160-2 dated 3/3/2017 EPA Ref DOC17/147944

| Pollutant        | Unit of measure                          | No. of samples required | No. of samples collected and analysed | Lowest sample value | Mean of sample | Highest sample value |
|------------------|--|-------------------------|---------------------------------------|---------------------|----------------|----------------------|
| Faecal Coliforms | colony forming units per 100 millilitres | 3                       | 3                                     | 87                  | 139            | 220                  |

|    |    |   |   |     |     |      |
|----|----|---|---|-----|-----|------|
| pH | pH | 3 | 3 | 7.9 | 8.4 | 8.74 |
|----|----|---|---|-----|-----|------|

#### Discharge & Monitoring Point 4

Saline discharge to waters

Discharge quality

Volume monitoring, HRSTS Outlet from Eagles Nest Dam at co-ordinates 313132 6393073 (Easting Northing) labelled as EPA4 on plan titled "Wambo Mine Environment Protection Licence 529 Plan of Premises - Monitoring Sites" DWG 2160-2 dated 3/3/2017 EPA Ref DOC17/147944

| Pollutant              | Unit of measure             | No. of samples required | No. of samples collected and analysed | Lowest sample value | Mean of sample | Highest sample value |
|------------------------|-----------------------------|-------------------------|---------------------------------------|---------------------|----------------|----------------------|
| pH                     | pH                          | 0                       | 0                                     | 0                   | 0              | 0                    |
| Total suspended solids | milligrams per litre        | 0                       | 0                                     | 0                   | 0              | 0                    |
| Conductivity           | microsiemens per centimetre | 0                       | 0                                     | 0                   | 0              | 0                    |

#### Monitoring Point 7

Groundwater quality monitoring, Groundwater quality must be measured at locations representative of impacts likely to be experienced outside the premises as a result of the operation of the mine

| Pollutant    | Unit of measure             | No. of samples required | No. of samples collected and analysed | Lowest sample value | Mean of sample | Highest sample value |
|--------------|-----------------------------|-------------------------|---------------------------------------|---------------------|----------------|----------------------|
| Conductivity | microsiemens per centimetre | 94                      | 94                                    | 513                 | 3455           | 8430                 |
| pH           | pH                          | 94                      | 94                                    | 6.5                 | 7.26           | 8.5                  |

#### Monitoring Point 9

Surface water monitoring, Surface water quality must be measured at locations representative of impacts likely to be experienced outside the premises as a result of the operation of the mine

| Pollutant              | Unit of measure             | No. of samples required | No. of samples collected and analysed | Lowest sample value | Mean of sample | Highest sample value |
|------------------------|-----------------------------|-------------------------|---------------------------------------|---------------------|----------------|----------------------|
| Conductivity           | microsiemens per centimetre | 25                      | 22                                    | 384                 | 1230.74        | 2620                 |
| pH                     | pH                          | 25                      | 22                                    | 7.22                | 7.66           | 7.98                 |
| Total suspended solids | milligrams per litre        | 25                      | 22                                    | 5                   | 151.29         | 756                  |

### B3. Volume or Mass Monitoring Summary

For each volume or mass monitoring point identified in your licence, details are displayed below. If volume or mass monitoring is not required by your licence, no data will appear below. If data was provided from an uploaded file, the file name will be displayed below instead of any data. Note that this does not exclude the need to conduct appropriate volume or mass monitoring of assessable pollutants are required by load-based licensing (if applicable).

#### Discharge & Monitoring Point 4

Saline discharge to waters

Discharge quality

Volume monitoring, HRSTS Outlet from Eagles Nest Dam at co-ordinates 313132 6393073 (Easting Northing) labelled as EPA4 on plan titled "Wambo Mine Environment Protection Licence 529 Plan of Premises - Monitoring Sites" DWG 2160-2 dated 3/3/2017 EPA Ref DOC17/147944

| Unit of measure    | Frequency  | No. of measurements made | Lowest result | Mean result | Highest result |
|--------------------|------------|--------------------------|---------------|-------------|----------------|
| megalitres per day | Continuous | 0                        | 0             | 0           | 0              |

## C. Statement of Compliance - Licence Conditions

### C1. Compliance with Licence Conditions

|   |    |
|---|----|
| Were all conditions of the licence complied with (including monitoring and reporting requirements)? | No |
|---|----|

### C2. Details of Non-Compliance with Licence

|  |
|--|
| <b>Licence condition number not complied with ▼</b>  |
| L4.1   |
| <b>Summary of particulars of the non-compliance ▼</b>  |
| Exceedance of noise impact assessment criteria during attended monitoring on two occasions.  |
| <b>Further details on particulars of non-compliance, if required ▼</b>   |
| A real time and monthly attended noise monitoring program is used to assess the site against noise limits stipulated in Section L4.1 of EPL 529. On the night of 5/6 April a 3dB exceedance of the LAeq,15min was recorded at N26. On the night of the 17/18 December a 1dB exceedance of the LA1,1min was recorded at N20A. |
| <b>Number of times occurred ▼</b>  |
| 2  |
| <b>Date(s) when the non-compliance occurred, if applicable ▼</b>   |
| 5/6 April and 18/19 December   |



|   |
|---|
| <b>Cause of non-compliance ▼</b>  |
| Mining activities   |
| <b>Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼</b>   |
| The WCPL open cut examiner/shift supervisor was immediately notified following the exceedances and noise control measures were implemented.       |
| <b>Action taken or that will be taken to prevent a recurrence of the non-compliance ▼</b>   |
| Senior management staff conducted investigations following the exceedances and will continue implementing strategies to effectively manage noise. |
| <b>Uploaded Document Name ▼</b>   |
| 190225 EPL 2018 Annual Return.jpg   |
| <b>Uploaded Document Description ▼</b>  |
| Location of 2018 EPL Non-compliances  |

|  |
|--|
| <b>Licence condition number not complied with ▼</b>  |
| M2.2   |
| <b>Summary of particulars of the non-compliance ▼</b>  |
| Failure to monitor PM10 dust concentrations on four occasions.   |
| <b>Further details on particulars of non-compliance, if required ▼</b>   |
| PM10 dust is monitored by four real-time Tapered Element Oscillating Microbalances (TEOMs) which measure PM10 concentrations every 15 minutes to calculate a 24 hour average result. During the 2018 reporting year it was noted after reviewing the monthly data that no data was available on four occasions. The non-compliances were reported to the EPA by email on each occasion.        |
| <b>Number of times occurred ▼</b>  |
| 4  |
| <b>Date(s) when the non-compliance occurred, if applicable ▼</b>   |
| 1&2 January, 4 March and 26 September  |
| <b>Cause of non-compliance ▼</b>   |
| <ul style="list-style-type: none"> <li>• AQ03 (EPA ID15) due to an intermittent fault with the UPS rendering the TEOM in operable;</li> <li>• AQ02 (EPA ID14) due to an intermittent fault with the UPS rendering the TEOM in operable due to storm activity; and</li> <li>• AQ04 (EPA ID16) due to the sub-main distribution board circuit breaker tripping due to storm activity.</li> </ul> |
| <b>Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼</b>  |
| No adverse effects known   |
| <b>Action taken or that will be taken to prevent a recurrence of the non-compliance ▼</b>  |
| The issue was promptly rectified on each occasion by the service technician.   |
| <b>Uploaded Document Name ▼</b>  |
| 190225 EPL 2018 Annual Return.jpg  |





**Uploaded Document Description ▼**

Location of 2018 EPL Non-compliances

**Licence condition number not complied with ▼**

M9.4

**Summary of particulars of the non-compliance ▼**

Meteorological data recorded at 10 minute intervals, not 15 minute intervals as required.

**Further details on particulars of non-compliance, if required ▼**

Monitoring requirements specified under M4 Point 17.

**Number of times occurred ▼**

352

**Date(s) when the non-compliance occurred, if applicable ▼**

Continuous between 1 January and 18 December 2018

**Cause of non-compliance ▼**

Meteorological station was logging data in 10 minute intervals, not 15 minute as required by the EPL

**Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼**

No adverse effects known

**Action taken or that will be taken to prevent a recurrence of the non-compliance ▼**

Issue was rectified 18 December 2018

**Uploaded Document Name ▼**

190225 EPL 2018 Annual Return.jpg

**Uploaded Document Description ▼**

Location of 2018 EPL Non-compliances

**Licence condition number not complied with ▼**

O2.4

**Summary of particulars of the non-compliance ▼**

Failure to conduct sewage treatment plant service at least once in every quarter.

**Further details on particulars of non-compliance, if required ▼**

The first quarter service was not conducted between January and March, however four services were completed between April and December 2018.

**Number of times occurred ▼**

1

**Date(s) when the non-compliance occurred, if applicable ▼**

Between 1 January to 31 March

**Cause of non-compliance ▼**



|  |
|--|
| Waste water technician was unavailable and another waste water technician was not found to complete the service. |
| <b>Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼</b>                |
| There are no known adverse effects as a result of the missed service.  |
| <b>Action taken or that will be taken to prevent a recurrence of the non-compliance ▼</b>                        |
| 2019 inspection dates have been pre-scheduled with the waste water technician                                    |
| <b>Uploaded Document Name ▼</b>  |
|  |
| <b>Uploaded Document Description ▼</b>   |
| Location of 2018 EPL Non-compliances   |

|  |
|--|
| <b>Licence condition number not complied with ▼</b>  |
| P1.3   |
| <b>Summary of particulars of the non-compliance ▼</b>  |
| Surface water samples unable to be collected on three (3) occasions at SW08 (Stony Creek) due to access issues.  |
| <b>Further details on particulars of non-compliance, if required ▼</b>   |
| SW08 (on Stony Creek) forms part of the Wambo Coal monthly sampling regime. On three occasions in 2018, the water sampling Contractor advised that the area was 'unsafe to access' and the sample was not collected. |
| <b>Number of times occurred ▼</b>  |
| 3  |
| <b>Date(s) when the non-compliance occurred, if applicable ▼</b>   |
| February, March and December   |
| <b>Cause of non-compliance ▼</b>   |
| Unable to access monitoring location due unsafe access following heavy rainfall.   |
| <b>Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼</b>  |
| No adverse effects known.  |
| <b>Action taken or that will be taken to prevent a recurrence of the non-compliance ▼</b>  |
| Access issues have been discussed with the Contractor.   |
| <b>Uploaded Document Name ▼</b>  |
| 190225 EPL 2018 Annual Return.jpg  |
| <b>Uploaded Document Description ▼</b>   |
| Location of 2018 EPL Non-compliances   |

## D. Statement of Compliance - Load Based Fee Calculation





| KEY                          |                         |
|------------------------------|-------------------------|
|                              | Attended Monitoring     |
|                              | Surface Water           |
|                              | Air Quality Monitoring  |
|                              | Meteorological Station  |
|                              | STP Monitoring Location |
|                              | EPL 529 Boundary        |
| Projection: MGA 94 - Zone 56 |                         |

Wambo Coal Pty Ltd

## EPL 529 2018 Annual Return Location of Non-Compliances

|                 |
|-----------------|
| Date 27/02/2019 |
| Drawn by PJ     |
| Approved by PJ  |
|                 |



If you are not required to monitor assessable pollutants by your licence, **no data** will appear below.

If assessable pollutants have been identified on your licence, the following worksheets for each assessable pollutant will determine your load based fee for the licence fee period to which this Annual Return relates.

**Loads of assessable pollutants must be calculated using any of the methods provided in EPA's Load Calculation Protocol for the relevant activity.** A Load Calculation Protocol would have been already sent to you with your licence. If you require additional copies, you can download the Protocol from the EPA's website or you can contact us on telephone 02 9995 5700.

You are required to keep all records used to calculate licence fees for four years after the licence fee was paid or became payable, whichever is the later date.

## E. Statement of Compliance - Requirement to Prepare PIRMP

|   |            |     |
|---|------------|-----|
| Have you prepared a Pollution Incident Response Management Plan (PIRMP) as required under section 153A of the Protection of the Environment Operations (POEO) Act 1997?   |            | Yes |
| Is the PIRMP available at the premises?   |            | Yes |
| Is the PIRMP available in a prominent position on a publicly accessible website?  |            | Yes |
| Address of the web page where the PIRMP can be accessed ▼   |            |     |
| <a href="https://www.peabodyenergy.com/Operations/Australia-Mining/New-South-Wales-Mining/Wambo-Approvals,-Plans-Reports">https://www.peabodyenergy.com/Operations/Australia-Mining/New-South-Wales-Mining/Wambo-Approvals,-Plans-Reports</a> |            |     |
| Has the PIRMP been tested?  |            | Yes |
| The PIRMP was last tested on  | 28-12-2018 |     |
| Has the PIRMP been updated?   |            | Yes |
| The PIRMP was last updated on   | 25-1-2019  |     |
| Number of times the PIRMP was activated in this reporting period?   |            | 0   |
| The PIRMP was activated on  |            |     |

## F. Statement of Compliance - Requirement to Publish Pollution Monitoring Data

|   |  |     |
|---|--|-----|
| Are there any conditions attached to your licence that require pollution monitoring to be undertaken as required under section 66(6) of the Protection of the Environment Operations (POEO) Act 1997?   |  | Yes |
| Do you operate a website?   |  | Yes |
| Is the pollution monitoring data published on your website in accordance with the EPA's written requirements for publishing pollution monitoring data?  |  | Yes |
| Address of the web page where the pollution monitoring data can be accessed ▼   |  |     |
| <a href="https://www.peabodyenergy.com/Operations/Australia-Mining/New-South-Wales-Mining/Wambo-Approvals,-Plans-Reports">https://www.peabodyenergy.com/Operations/Australia-Mining/New-South-Wales-Mining/Wambo-Approvals,-Plans-Reports</a> |  |     |

## G. Statement of Compliance - Environment Management System and Practices

|   |     |
|---|-----|
| Do you have an ISO 14001 certified Environmental Management System (EMS) OR any other system that EPA considers is equivalent to the accountability, procedures, documentation and record keeping requirements of an ISO 14001 certified EMS? | No  |
| Have you conducted an assessment of your activities and operations to identify the aspects that have a potential to cause environmental impacts and implemented operational controls to address these aspects?                                | Yes |
| Have you established and implemented an operational maintenance program, including preventative maintenance?  | Yes |
| Do you keep records of regular inspections and maintenance of plant and equipment?  | Yes |
| Do you conduct regular site audits to assess compliance with environmental legal requirements and assess conformance to the requirements of any documented environmental practices, procedures and systems in place?                          | Yes |
| Are the audits of documented environmental practices, procedures and systems undertaken by a third party?   | Yes |
| Have you established and implemented an environmental improvement or management plan?   | Yes |
| Do you train staff in environmental issues that may arise from your activities and operations and keep records of this  | Yes |

## H. Signature and Certification

This Annual Return may only be signed by person(s) with legal authority to sign it as set out in following categories: an Individual, a Company, a Public authority or a Local council.

It is an offence to supply any information in this form that is false or misleading in a material respect, or to certify a statement that is false or misleading in a material respect. There is a maximum penalty of \$250,000 for a corporation and \$120,000 for an individual.

I/We

- declare that the information in the Monitoring and Complaints Summary in Section B of this Annual Return application is correct and not false or misleading in a material respect, and
- certify that the information in the Statement and Compliance in sections A, C, D, E, F, G and H and any other pages attached to Section C is correct and not false or misleading in a material respect.

|           |   |           |  |
|-----------|---|-----------|--|
| Signature |  | Signature |  |
| Name      | PETER BAKER   | Name      | Steven John Hedges   |

|  |               |  |                |
|--|---------------|--|----------------|
| <b>Position</b>  | DIRECTOR      | <b>Position</b>  | DIRECTOR       |
| <b>Date</b>  | 28 ' 2 ' 2019 | <b>Date</b>  | 28 ' 02 ' 2019 |
| <b>Declaration</b><br><br><b>I declare that the information in the Monitoring and Complaints Summary in section B of this Annual Return is correct and not false or misleading in a material respect, and</b><br><br><b>I certify that the information in the Statement of Compliance in section A,C,D,E,F and G and any pages attached to Section C is correct and not false or misleading in a material respect.</b> |               | <b>Declaration</b><br><br><b>I declare that the information in the Monitoring and Complaints Summary in section B of this Annual Return is correct and not false or misleading in a material respect, and</b><br><br><b>I certify that the information in the Statement of Compliance in section A,C,D,E,F and G and any pages attached to Section C is correct and not false or misleading in a material respect.</b> |                |