

WHITEHAVEN CHPP – MONTHLY MONITORING SUMMARY
Site Information
EPL No: 3637

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33124&SYSUID=1&LICID=3637>
Licensee: Whitehaven Coal Mining Limited

Licensee Address: Boggabri Road, Gunnedah NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: November 2013

Publication Date: 13th January 2014

Table 1 - No Pollutant Limits Apply

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Measurements for the Month | Date Sampled | Date Obtained | Min Value | Mean Value | Median Value | Max or Only Value |
|--------|------------------------|-------------------------|----------------------|-----------------------------------|--------------|---------------|-----------|------------|--------------|-------------------|
| 3 | Solid Particles | g/m ² /month | Continuous | 1 | 15/11/13 | 26/11/13 | - | - | - | 3.7 |
| 5 | Solid Particles | g/m ² /month | Continuous | 1 | 15/11/13 | 26/11/13 | - | - | - | 2.8 |
| | PM ₁₀ | µg/m ³ | Every 6 days | 4 | Various | 16/12/13 | 3.5 | 7.0 | 5.2 | 14.2 |
| 11 | PM ₁₀ | µg/m ³ | Every 6 days | 4 | Various | 16/12/13 | 5.6 | 9.0 | 7.8 | 14.6 |
| 12 | PM ₁₀ | µg/m ³ | Every 6 days | 2 | Various | 16/12/13 | 7.0 | 11.6 | 11.6 | 16.1 |
| 6 | Conductivity | ms/cm | Each overflow event | 0 | - | - | - | - | - | - |
| | Oil and Grease | mg/L | | 0 | - | - | - | - | - | - |
| | Total Organic Carbon | mg/L | | 0 | - | - | - | - | - | - |
| | Total Suspended Solids | mg/L | | 0 | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - |
| 7 | Conductivity | ms/cm | Quarterly | 1 | - | - | - | - | - | 2720 |
| | Oil and Grease | mg/L | | 1 | - | - | - | - | - | <5 |
| | Total Organic Carbon | mg/L | | 1 | - | - | - | - | - | 6 |
| | Total Suspended Solids | mg/L | | 1 | - | - | - | - | - | 9 |
| | pH | pH | | 1 | - | - | - | - | - | 8.51 |



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Table 2 – Monitoring (Quarterly – No Limits apply)

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Period | Date Sampled | Date Obtained | Min Value | Mean Value | Median Value | Max or Only Value |
|--------|----------------------|------------------|----------------------|-------------------------------|--------------|---------------|-----------|------------|--------------|-------------------|
| 8 | Ammonia | mg/L | Quarterly | 0 | - | - | - | - | - | - |
| | Bicarbonate | mg/L | | 0 | - | - | - | - | - | - |
| | Calcium | mg/L | | 0 | - | - | - | - | - | - |
| | Chloride | mg/L | | 0 | - | - | - | - | - | - |
| | Conductivity | µs/cm | | 0 | - | - | - | - | - | - |
| | Lead | mg/L | | 0 | - | - | - | - | - | - |
| | Magnesium | mg/L | | 0 | - | - | - | - | - | - |
| | Nitrate | mg/L | | 0 | - | - | - | - | - | - |
| | Potassium | mg/L | | 0 | - | - | - | - | - | - |
| | Sodium | mg/L | | 0 | - | - | - | - | - | - |
| | Standing Water Level | m | | 0 | - | - | - | - | - | - |
| | Sulphate | mg/L | | 0 | - | - | - | - | - | - |
| pH | pH | 0 | - | - | - | - | - | - | - | |
| 9 | Ammonia | mg/L | Quarterly | 0 | - | - | - | - | - | - |
| | Bicarbonate | mg/L | | 0 | - | - | - | - | - | - |
| | Calcium | mg/L | | 0 | - | - | - | - | - | - |
| | Chloride | mg/L | | 0 | - | - | - | - | - | - |
| | Conductivity | µs/cm | | 0 | - | - | - | - | - | - |
| | Lead | mg/L | | 0 | - | - | - | - | - | - |
| | Magnesium | mg/L | | 0 | - | - | - | - | - | - |
| | Nitrate | mg/L | | 0 | - | - | - | - | - | - |
| | Potassium | mg/L | | 0 | - | - | - | - | - | - |
| | Sodium | mg/L | | 0 | - | - | - | - | - | - |
| | Standing Water Level | m | | 0 | - | - | - | - | - | - |
| | Sulphate | mg/L | | 0 | - | - | - | - | - | - |
| pH | pH | 0 | - | - | - | - | - | - | - | |
| 10 | Ammonia | mg/L | Quarterly | 0 | - | - | - | - | - | - |



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| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Period | Date Sampled | Date Obtained | Min Value | Mean Value | Median Value | Max or Only Value |
|--------|----------------------|------------------|----------------------|-------------------------------|--------------|---------------|-----------|------------|--------------|-------------------|
| | Bicarbonate | mg/L | | 0 | - | - | - | - | - | - |
| | Calcium | mg/L | | 0 | - | - | - | - | - | - |
| | Chloride | mg/L | | 0 | - | - | - | - | - | - |
| | Conductivity | µs/cm | | 0 | - | - | - | - | - | - |
| | Lead | mg/L | | 0 | - | - | - | - | - | - |
| | Magnesium | mg/L | | 0 | - | - | - | - | - | - |
| | Nitrate | mg/L | | 0 | - | - | - | - | - | - |
| | Potassium | mg/L | | 0 | - | - | - | - | - | - |
| | Sodium | mg/L | | 0 | - | - | - | - | - | - |
| | Standing Water Level | m | | 0 | - | - | - | - | - | - |
| | Sulphate | mg/L | | 0 | - | - | - | - | - | - |
| | pH | pH | | 0 | - | - | - | - | - | - |

Table 3 – Monitoring (Quarterly Noise – Limits Apply)

| EPL ID | Date | Start Time | Measurement Period | Measured levels – All sources – dB(A) | | Limit(s) | Weather (wind speed/direction) | Observations | (Potential) Non-compliance /breach |
|--------|------|------------|--------------------|---------------------------------------|-----------------------------|----------|--------------------------------|--------------|------------------------------------|
| | | | | L _{A1, 1} Minute | L _{Aeq, 15} Minute | | | | |
| N1 | - | - | - | | - | 38 | - | - | No monitoring this month |
| | - | - | - | | - | 37 | - | - | |
| | - | - | - | | - | 35 | - | - | |
| | - | - | - | - | | 45 | - | - | |

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Figure 1 – EPL 3637 Monitoring Locations

