

Monthly Monitoring Data

Environmental Protection Licence Number: 12693

link to EPL12693 on EPA Public Register: [Click Here](#)

Licensee: Newcastle Coal Infrastructure Group Pty Ltd, Locked Bag 6003, Hunter Region Mail Centre NSW 2310

Premises: Newcastle Coal Infrastructure Group, Cormorant Road, Kooragang NSW 2304

Date Published: 5th February 2019

Note: On the 25th of August 2017 an amendment was made to the NCIG Environmental Protection Licence (EPL12693) which removed the requirement for ambient air quality monitoring at Points 7-10 and 14-15. However, NCIG will continue to publish ambient air quality data for these locations previously listed in EPL12693 for the interest of the public.

Depositional Dust Monitoring

Sample Period: 4th December 2018 – 4th January 2019

Date Obtained: 25th January 2019

Units of Measure: grams per square metre per month (g/m²/month)

Frequency: Monthly

| | Monitoring Point 7 - DG3 (Kooragang Island) | Monitoring Point 8 - DG4 (Mayfield Sport Rec Club) | Monitoring Point 9 - DG5 (Mayfield West) | Monitoring Point 10 - DG6 (Sandgate) |
|--------------------------|--|---|---|---|
| Depositional Dust | 1.5 | 1.8 | 1.5 | 1.3 |

High Volume Air Sampling

Date Obtained: 25th January 2019

Units of measure: micrograms per cubic metre (µg/m³)

Frequency: Weekly

| | Monitoring Point 14 - HVAS 1 (Steel River) | | | | Monitoring Point 15 - HVAS 2 (Crebert Street) | | | |
|------------------|--|------------------|------|------------------|---|------------------|------|--|
| | TSP | | PM10 | | TSP | | PM10 | |
| 03-Dec 18 | 81* | 03-Dec 18 | 41* | 03-Dec 18 | 86* | 03-Dec 18 | 43* | |
| 09-Dec 18 | 52 | 09-Dec 18 | 28 | 09-Dec 18 | 53 | 09-Dec 18 | 31 | |
| 15-Dec 18 | 36 | 15-Dec 18 | 21 | 15-Dec 18 | 32 | 18-Dec 18 | 22 | |
| 21-Dec 18 | 55 | 21-Dec 18 | 16 | 21-Dec 18 | 34 | 21-Dec 18 | 17 | |
| 27-Dec 18 | 46 | 27-Dec 18 | 27 | 27-Dec 18 | 51 | 27-Dec 18 | 30 | |

NB. Sample period is a 24-hour period on each of the above dates | TSP = Total Suspended Particulates | PM10 = Particulate Matter <10 microns

*Note: Higher than usual results. The dominant wind direction during this time was from a ESE direction.

6 Monthly Groundwater Monitoring

Results Received: 25th January 2019

Date Published: 5th February 2019

Groundwater Sampling Point 1 (GW1)

Sample Date: 31st December 2018

Units of Measure: pH units; milligrams per litre (mg/L); microSiemens per centimetre ($\mu\text{S}/\text{cm}$); micrograms per litre ($\mu\text{g}/\text{L}$)

| Pollutant | Units of Measure | Frequency | Recorded Value |
|---------------------|-------------------------|----------------|----------------|
| pH | pH units | Every 6 Months | 7.38 |
| Conductivity | $\mu\text{S}/\text{cm}$ | Every 6 Months | 15200 |
| Bromide | mg/L | Every 6 Months | 11.9 |
| Aluminium | mg/L | Every 6 Months | <0.01 |
| Arsenic | mg/L | Every 6 Months | <0.001 |
| Cadmium | mg/L | Every 6 Months | <0.0001 |
| Copper | mg/L | Every 6 Months | <0.001 |
| Manganese | mg/L | Every 6 Months | 0.199 |
| Nickel | mg/L | Every 6 Months | <0.001 |
| Zinc | mg/L | Every 6 Months | <0.005 |
| Iron | mg/L | Every 6 Months | <0.05 |
| Total PAH | $\mu\text{g}/\text{L}$ | Every 6 Months | <0.5 |
| TPH C6-9 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <20 |
| TPH C10-14 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 |
| TPH C15-28 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <100 |
| TPH C29-36 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 |
| Cyanide (free) | mg/L | Every 6 Months | <0.004 |
| Cyanide (total) | mg/L | Every 6 Months | <0.004 |

Groundwater Sampling Point 38 (BH21S)**Sample Date:** 18th December 2018**Units of Measure:** pH units; milligrams per litre (mg/L); microSiemens per centimetre ($\mu\text{S}/\text{cm}$); micrograms per litre ($\mu\text{g}/\text{L}$)

| Pollutant | Units of Measure | Frequency | Recorded Value |
|---------------------|-------------------------|----------------|----------------|
| pH | pH units | Every 6 Months | 11.09 |
| Conductivity | $\mu\text{S}/\text{cm}$ | Every 6 Months | 1260 |
| Bromide | mg/L | Every 6 Months | 0.789 |
| Aluminium | mg/L | Every 6 Months | 0.58 |
| Arsenic | mg/L | Every 6 Months | 0.006 |
| Cadmium | mg/L | Every 6 Months | <0.0001 |
| Copper | mg/L | Every 6 Months | <0.001 |
| Manganese | mg/L | Every 6 Months | <0.001 |
| Nickel | mg/L | Every 6 Months | 0.002 |
| Zinc | mg/L | Every 6 Months | <0.005 |
| Iron | mg/L | Every 6 Months | 0.09 |
| Total PAH | $\mu\text{g}/\text{L}$ | Every 6 Months | 67.2 |
| TPH C6-9 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <100 |
| TPH C10-14 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | 190 |
| TPH C15-28 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <100 |
| TPH C29-36 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 |
| Cyanide (free) | mg/L | Every 6 Months | 0.005 |
| Cyanide (total) | mg/L | Every 6 Months | 0.276 |

Groundwater Sampling Point 39 (BH21D)**Sample Date:** 18th December 2018**Units of Measure:** pH units; milligrams per litre (mg/L); microSiemens per centimetre ($\mu\text{S}/\text{cm}$); micrograms per litre ($\mu\text{g}/\text{L}$)

| Pollutant | Units of Measure | Frequency | Recorded Value |
|---------------------|-------------------------|----------------|----------------|
| pH | pH units | Every 6 Months | 7.64 |
| Conductivity | $\mu\text{S}/\text{cm}$ | Every 6 Months | 10400 |
| Bromide | mg/L | Every 6 Months | 8.24 |
| Aluminium | mg/L | Every 6 Months | 0.08 |
| Arsenic | mg/L | Every 6 Months | 0.002 |
| Cadmium | mg/L | Every 6 Months | <0.0001 |
| Copper | mg/L | Every 6 Months | <0.001 |
| Manganese | mg/L | Every 6 Months | 0.4 |
| Nickel | mg/L | Every 6 Months | 0.002 |
| Zinc | mg/L | Every 6 Months | <0.005 |
| Iron | mg/L | Every 6 Months | 1.91 |
| Total PAH | $\mu\text{g}/\text{L}$ | Every 6 Months | 102 |
| TPH C6-9 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <100 |
| TPH C10-14 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | 190 |
| TPH C15-28 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <100 |
| TPH C29-36 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 |
| Cyanide (free) | mg/L | Every 6 Months | 0.006 |
| Cyanide (total) | mg/L | Every 6 Months | 0.198 |

Groundwater Sampling Point 20 (K9/3N)**Sample Date:** 19th December 2018**Units of Measure:** pH units; milligrams per litre (mg/L); microSiemens per centimetre ($\mu\text{S}/\text{cm}$); micrograms per litre ($\mu\text{g}/\text{L}$)

| Pollutant | Units of Measure | Frequency | Recorded Value | Exceedance (Yes/No)* |
|---------------------|-------------------------|----------------|----------------|----------------------|
| pH | pH units | Every 6 Months | 7.0 | No |
| Conductivity | $\mu\text{S}/\text{cm}$ | Every 6 Months | 27900 | Yes |
| Bromide | mg/L | Every 6 Months | 20.5 | No |
| Aluminium | mg/L | Every 6 Months | <0.01 | No |
| Arsenic | mg/L | Every 6 Months | <0.001 | No |
| Cadmium | mg/L | Every 6 Months | <0.0001 | No |
| Copper | mg/L | Every 6 Months | <0.001 | No |
| Manganese | mg/L | Every 6 Months | 1.01 | No |
| Nickel | mg/L | Every 6 Months | 0.002 | No |
| Zinc | mg/L | Every 6 Months | <0.005 | No |
| Iron | mg/L | Every 6 Months | <0.05 | No |
| Total PAH | $\mu\text{g}/\text{L}$ | Every 6 Months | <0.5 | No |
| TPH C6-9 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <20 | No |
| TPH C10-14 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| TPH C15-28 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <100 | No |
| TPH C29-36 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| Cyanide (free) | mg/L | Every 6 Months | <0.004 | No |
| Cyanide (total) | mg/L | Every 6 Months | <0.004 | No |

Note: If trigger level is exceeded, actions listed in Condition E1.2 of EPL12693 are to be followed. These actions include notifying the EPA and resampling the location to confirm the elevated concentration.

* Trigger Condition 1 and 2 recalculated each sampling round- value not shown in table.

Groundwater Sampling Point 21 (K9/3S)**Sample Date:** 19th December 2018**Units of Measure:** pH units; milligrams per litre (mg/L); microSiemens per centimetre ($\mu\text{S}/\text{cm}$); micrograms per litre ($\mu\text{g}/\text{L}$)

| Pollutant | Units of Measure | Frequency | Recorded Value | Exceedance (Yes/No)* |
|---------------------|-------------------------|----------------|----------------|----------------------|
| pH | pH units | Every 6 Months | 7.94 | No |
| Conductivity | $\mu\text{S}/\text{cm}$ | Every 6 Months | 5340 | No |
| Bromide | mg/L | Every 6 Months | 3.41 | No |
| Aluminium | mg/L | Every 6 Months | <0.01 | No |
| Arsenic | mg/L | Every 6 Months | 0.003 | No |
| Cadmium | mg/L | Every 6 Months | <0.0001 | No |
| Copper | mg/L | Every 6 Months | <0.001 | No |
| Manganese | mg/L | Every 6 Months | 0.166 | No |
| Nickel | mg/L | Every 6 Months | 0.002 | No |
| Zinc | mg/L | Every 6 Months | <0.005 | No |
| Iron | mg/L | Every 6 Months | 0.16 | No |
| Total PAH | $\mu\text{g}/\text{L}$ | Every 6 Months | <0.5 | No |
| TPH C6-9 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <20 | No |
| TPH C10-14 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| TPH C15-28 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <100 | No |
| TPH C29-36 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| Cyanide (free) | mg/L | Every 6 Months | <0.004 | No |
| Cyanide (total) | mg/L | Every 6 Months | <0.004 | No |

Note: If trigger level is exceeded, actions listed in Condition E1.2 of EPL12693 are to be followed. These actions include notifying the EPA and resampling the location to confirm the elevated concentration.

* Trigger Condition 1 and 2 recalculated each sampling round- value not shown in table.

Groundwater Sampling Point 22 (K11/1)**Sample Date:** 19th December 2018**Units of Measure:** pH units; milligrams per litre (mg/L); microSiemens per centimetre ($\mu\text{S}/\text{cm}$); micrograms per litre ($\mu\text{g}/\text{L}$)

| Pollutant | Units of Measure | Frequency | Recorded Value | Exceedance (Yes/No)* |
|---------------------|-------------------------|----------------|----------------|----------------------|
| pH | pH units | Every 6 Months | 7.32 | No |
| Conductivity | $\mu\text{S}/\text{cm}$ | Every 6 Months | 1490 | No |
| Bromide | mg/L | Every 6 Months | 0.755 | No |
| Aluminium | mg/L | Every 6 Months | <0.01 | No |
| Arsenic | mg/L | Every 6 Months | <0.001 | No |
| Cadmium | mg/L | Every 6 Months | <0.0001 | No |
| Copper | mg/L | Every 6 Months | <0.001 | No |
| Manganese | mg/L | Every 6 Months | 0.799 | No |
| Nickel | mg/L | Every 6 Months | <0.001 | No |
| Zinc | mg/L | Every 6 Months | <0.005 | No |
| Iron | mg/L | Every 6 Months | 0.25 | No |
| Total PAH | $\mu\text{g}/\text{L}$ | Every 6 Months | <0.5 | No |
| TPH C6-9 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <20 | No |
| TPH C10-14 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| TPH C15-28 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <100 | No |
| TPH C29-36 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| Cyanide (free) | mg/L | Every 6 Months | <0.004 | No |
| Cyanide (total) | mg/L | Every 6 Months | <0.004 | No |

Note: If trigger level is exceeded, actions listed in Condition E1.2 of EPL12693 are to be followed. These actions include notifying the EPA and resampling the location to confirm the elevated concentration.

* Trigger Condition 1 and 2 recalculated each sampling round- value not shown in table.

Groundwater Sampling Point 23 (K11/1S)

Sample Date: 19th December 2018

Units of Measure: pH units; milligrams per litre (mg/L); microSiemens per centimetre ($\mu\text{S}/\text{cm}$); micrograms per litre ($\mu\text{g}/\text{L}$)

| Pollutant | Units of Measure | Frequency | Recorded Value | Exceedance (Yes/No)* |
|---------------------|-------------------------|----------------|----------------|----------------------|
| pH | pH units | Every 6 Months | 7.79 | No |
| Conductivity | $\mu\text{S}/\text{cm}$ | Every 6 Months | 12700 | No |
| Bromide | mg/L | Every 6 Months | 9.39 | No |
| Aluminium | mg/L | Every 6 Months | <0.01 | No |
| Arsenic | mg/L | Every 6 Months | <0.001 | No |
| Cadmium | mg/L | Every 6 Months | <0.0001 | No |
| Copper | mg/L | Every 6 Months | <0.001 | No |
| Manganese | mg/L | Every 6 Months | 0.114 | No |
| Nickel | mg/L | Every 6 Months | <0.001 | No |
| Zinc | mg/L | Every 6 Months | <0.005 | No |
| Iron | mg/L | Every 6 Months | <0.05 | No |
| Total PAH | $\mu\text{g}/\text{L}$ | Every 6 Months | <0.5 | No |
| TPH C6-9 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <20 | No |
| TPH C10-14 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| TPH C15-28 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <100 | No |
| TPH C29-36 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| Cyanide (free) | mg/L | Every 6 Months | <0.004 | No |
| Cyanide (total) | mg/L | Every 6 Months | <0.004 | No |

Note: If trigger level is exceeded, actions listed in Condition E1.2 of EPL12693 are to be followed. These actions include notifying the EPA and resampling the location to confirm the elevated concentration.

* Trigger Condition 1 and 2 recalculated each sampling round- value not shown in table.

Groundwater Sampling Point 36 (BH20S)**Sample Date:** 18th December 2018**Units of Measure:** pH units; milligrams per litre (mg/L); microSiemens per centimetre ($\mu\text{S}/\text{cm}$); micrograms per litre ($\mu\text{g}/\text{L}$)

| Pollutant | Units of Measure | Frequency | Recorded Value | Exceedance (Yes/No)* |
|---------------------|-------------------------|----------------|----------------|----------------------|
| pH | pH units | Every 6 Months | 6.67 | No |
| Conductivity | $\mu\text{S}/\text{cm}$ | Every 6 Months | 2490 | No |
| Bromide | mg/L | Every 6 Months | 0.799 | No |
| Aluminium | mg/L | Every 6 Months | 3.95 | No |
| Arsenic | mg/L | Every 6 Months | 0.002 | No |
| Cadmium | mg/L | Every 6 Months | <0.0001 | No |
| Copper | mg/L | Every 6 Months | 0.003 | No |
| Manganese | mg/L | Every 6 Months | 4.68 | No |
| Nickel | mg/L | Every 6 Months | 0.007 | No |
| Zinc | mg/L | Every 6 Months | 0.04 | No |
| Iron | mg/L | Every 6 Months | 0.21 | No |
| Total PAH | $\mu\text{g}/\text{L}$ | Every 6 Months | 1.7 | No |
| TPH C6-9 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <20 | No |
| TPH C10-14 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| TPH C15-28 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <100 | No |
| TPH C29-36 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| Cyanide (free) | mg/L | Every 6 Months | <0.004 | No |
| Cyanide (total) | mg/L | Every 6 Months | <0.004 | No |

Note: If trigger level is exceeded, actions listed in Condition E1.2 of EPL12693 are to be followed. These actions include notifying the EPA and resampling the location to confirm the elevated concentration.

* Trigger Condition 1 and 2 recalculated each sampling round- value not shown in table.

Groundwater Sampling Point 37 (BH20D)**Sample Date:** 18th December 2018**Units of Measure:** pH units; milligrams per litre (mg/L); microSiemens per centimetre ($\mu\text{S}/\text{cm}$); micrograms per litre ($\mu\text{g}/\text{L}$)

| Pollutant | Units of Measure | Frequency | Recorded Value | Exceedance (Yes/No)* |
|---------------------|-------------------------|----------------|----------------|----------------------|
| pH | pH units | Every 6 Months | 6.07 | Yes |
| Conductivity | $\mu\text{S}/\text{cm}$ | Every 6 Months | 53600 | No |
| Bromide | mg/L | Every 6 Months | 55.4 | No |
| Aluminium | mg/L | Every 6 Months | <0.10 | No |
| Arsenic | mg/L | Every 6 Months | <0.010 | No |
| Cadmium | mg/L | Every 6 Months | <0.0010 | No |
| Copper | mg/L | Every 6 Months | <0.010 | No |
| Manganese | mg/L | Every 6 Months | 10.6 | No |
| Nickel | mg/L | Every 6 Months | 0.035 | Yes |
| Zinc | mg/L | Every 6 Months | <0.050 | No |
| Iron | mg/L | Every 6 Months | 38.3 | No |
| Total PAH | $\mu\text{g}/\text{L}$ | Every 6 Months | <0.5 | No |
| TPH C6-9 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <20 | No |
| TPH C10-14 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| TPH C15-28 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <100 | No |
| TPH C29-36 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| Cyanide (free) | mg/L | Every 6 Months | <0.004 | No |
| Cyanide (total) | mg/L | Every 6 Months | <0.004 | No |

Note: If trigger level is exceeded, actions listed in Condition E1.2 of EPL12693 are to be followed. These actions include notifying the EPA and resampling the location to confirm the elevated concentration.

* Trigger Condition 1 and 2 recalculated each sampling round- value not shown in table.

Groundwater Sampling Point 40 (BH23S)**Sample Date:** 18th December 2018**Units of Measure:** pH units; milligrams per litre (mg/L); microSiemens per centimetre ($\mu\text{S}/\text{cm}$); micrograms per litre ($\mu\text{g}/\text{L}$)

| Pollutant | Units of Measure | Frequency | Recorded Value | Exceedance (Yes/No)* |
|---------------------|-------------------------|----------------|----------------|----------------------|
| pH | pH units | Every 6 Months | 8.5 | No |
| Conductivity | $\mu\text{S}/\text{cm}$ | Every 6 Months | 724 | No |
| Bromide | mg/L | Every 6 Months | 0.254 | No |
| Aluminium | mg/L | Every 6 Months | 0.12 | Yes |
| Arsenic | mg/L | Every 6 Months | 0.002 | No |
| Cadmium | mg/L | Every 6 Months | <0.0001 | No |
| Copper | mg/L | Every 6 Months | <0.001 | No |
| Manganese | mg/L | Every 6 Months | 0.288 | No |
| Nickel | mg/L | Every 6 Months | <0.001 | No |
| Zinc | mg/L | Every 6 Months | <0.005 | No |
| Iron | mg/L | Every 6 Months | 1.66 | No |
| Total PAH | $\mu\text{g}/\text{L}$ | Every 6 Months | 1.6 | No |
| TPH C6-9 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <20 | No |
| TPH C10-14 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| TPH C15-28 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <100 | No |
| TPH C29-36 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| Cyanide (free) | mg/L | Every 6 Months | 0.004 | No |
| Cyanide (total) | mg/L | Every 6 Months | 0.004 | No |

Note: If trigger level is exceeded, actions listed in Condition E1.2 of EPL12693 are to be followed. These actions include notifying the EPA and resampling the location to confirm the elevated concentration.

* Trigger Condition 1 and 2 recalculated each sampling round- value not shown in table.

Groundwater Sampling Point 41 (BH23D)**Sample Date:** 18th December 2018**Units of Measure:** pH units; milligrams per litre (mg/L); microSiemens per centimetre ($\mu\text{S}/\text{cm}$); micrograms per litre ($\mu\text{g}/\text{L}$)

| Pollutant | Units of Measure | Frequency | Recorded Value | Exceedance (Yes/No)* |
|---------------------|-------------------------|----------------|----------------|----------------------|
| pH | pH units | Every 6 Months | 6.73 | No |
| Conductivity | $\mu\text{S}/\text{cm}$ | Every 6 Months | 23200 | No |
| Bromide | mg/L | Every 6 Months | 23 | No |
| Aluminium | mg/L | Every 6 Months | <0.01 | No |
| Arsenic | mg/L | Every 6 Months | <0.001 | No |
| Cadmium | mg/L | Every 6 Months | <0.0001 | No |
| Copper | mg/L | Every 6 Months | <0.001 | No |
| Manganese | mg/L | Every 6 Months | 1.05 | No |
| Nickel | mg/L | Every 6 Months | <0.001 | No |
| Zinc | mg/L | Every 6 Months | <0.005 | No |
| Iron | mg/L | Every 6 Months | 8.51 | No |
| Total PAH | $\mu\text{g}/\text{L}$ | Every 6 Months | <0.5 | No |
| TPH C6-9 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <20 | No |
| TPH C10-14 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| TPH C15-28 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <100 | No |
| TPH C29-36 Fraction | $\mu\text{g}/\text{L}$ | Every 6 Months | <50 | No |
| Cyanide (free) | mg/L | Every 6 Months | <0.004 | No |
| Cyanide (total) | mg/L | Every 6 Months | 0.01 | No |

Note: If trigger level is exceeded, actions listed in Condition E1.2 of EPL12693 are to be followed. These actions include notifying the EPA and resampling the location to confirm the elevated concentration.

* Trigger Condition 1 and 2 recalculated each sampling round- value not shown in table.

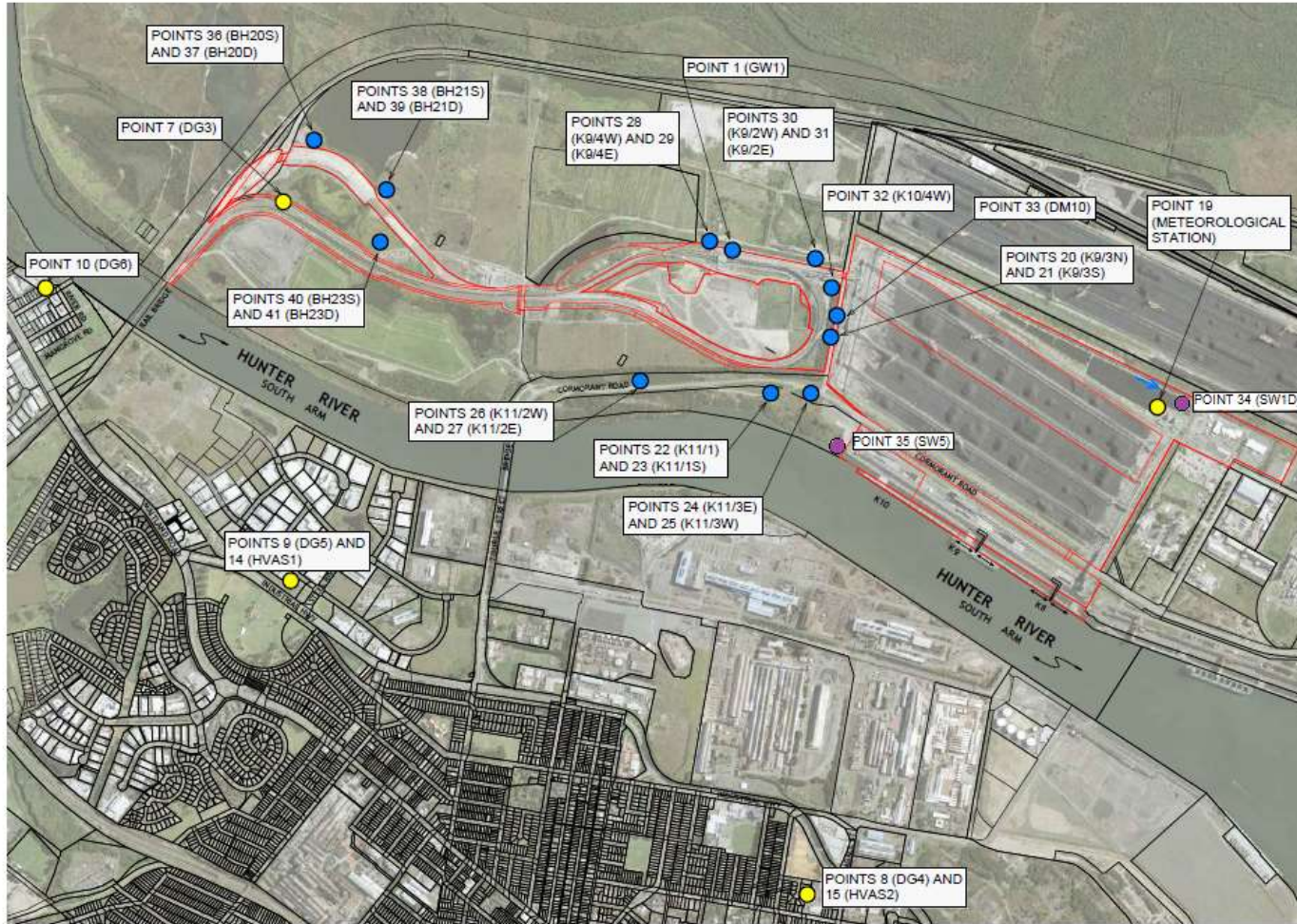


Figure 1: Groundwater, Surface Water and Additional Ambient Air Quality Monitoring Locations.