

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: 11th March 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 January 2019 – 1st February 2019

Date Obtained: 20th February 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	2.1	1.7	2.5	1.7

High Volume Air Sampling

Date Obtained: 20th February 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	
02-Jan 19	79	02-Jan 19	49	02-Jan 19	90*	02-Jan 19	53*
08-Jan 19	42	08-Jan 19	36	08-Jan 19	68	08-Jan 19	39
14-Jan 19	69	14-Jan 19	27	14-Jan 19	49	14-Jan 19	27
20-Jan 19	39	20-Jan 19	25	20-Jan 19	44	20-Jan 19	20
26-Jan 19	69	26-Jan 19	37	30-Jan 19	76	26-Jan 19	46

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

*Elevated result – the dominant wind direction during this time was from an E/ENE direction.

Groundwater Resampling: Point 20 (K9/3N)

Sample Date: 30th January 2019

Date Obtained: 20th February 2019

Frequency: Resample to confirm trigger exceedance in six monthly groundwater monitoring

Pollutant	Units of Measure	Initial value (trigger exceedance)	Resample Value	Confirmed to be elevated result? (Yes/No)
Conductivity	µS/cm	27900	27900	Yes*

*NCIG will proceed to Step 4 and 5 of the Contingency Response Program in Condition E1.1 of EPL12693.

Groundwater Resampling: Point 37 (BH20D)

Sample Date: 30th January 2019

Date Obtained: 20th February 2019

Frequency: Resample to confirm trigger exceedance in six monthly groundwater monitoring

Pollutant	Units of Measure	Initial value (trigger exceedance)	Resample Value	Confirmed to be elevated result? (Yes/No)
pH Value	pH	6.07	6.06	Yes*
Dissolved Nickel	mg/L	0.035	0.0473	Yes*

*NCIG will proceed to Step 4 and 5 of the Contingency Response Program in Condition E1.1 of EPL12693.

Groundwater Resampling: Point 40 (BH23S)

Sample Date: 30th January 2019

Date Obtained: 20th February 2019

Frequency: Resample to confirm trigger exceedance in six monthly groundwater monitoring

Pollutant	Units of Measure	Initial value (trigger exceedance)	Resample Value	Confirmed to be elevated result? * (Yes/No)
Dissolved Aluminium	mg/L	0.12	<0.005	No*

*The process has now concluded at Step 3 of the Contingency Response Program in Condition E1.1 of EPL12693.

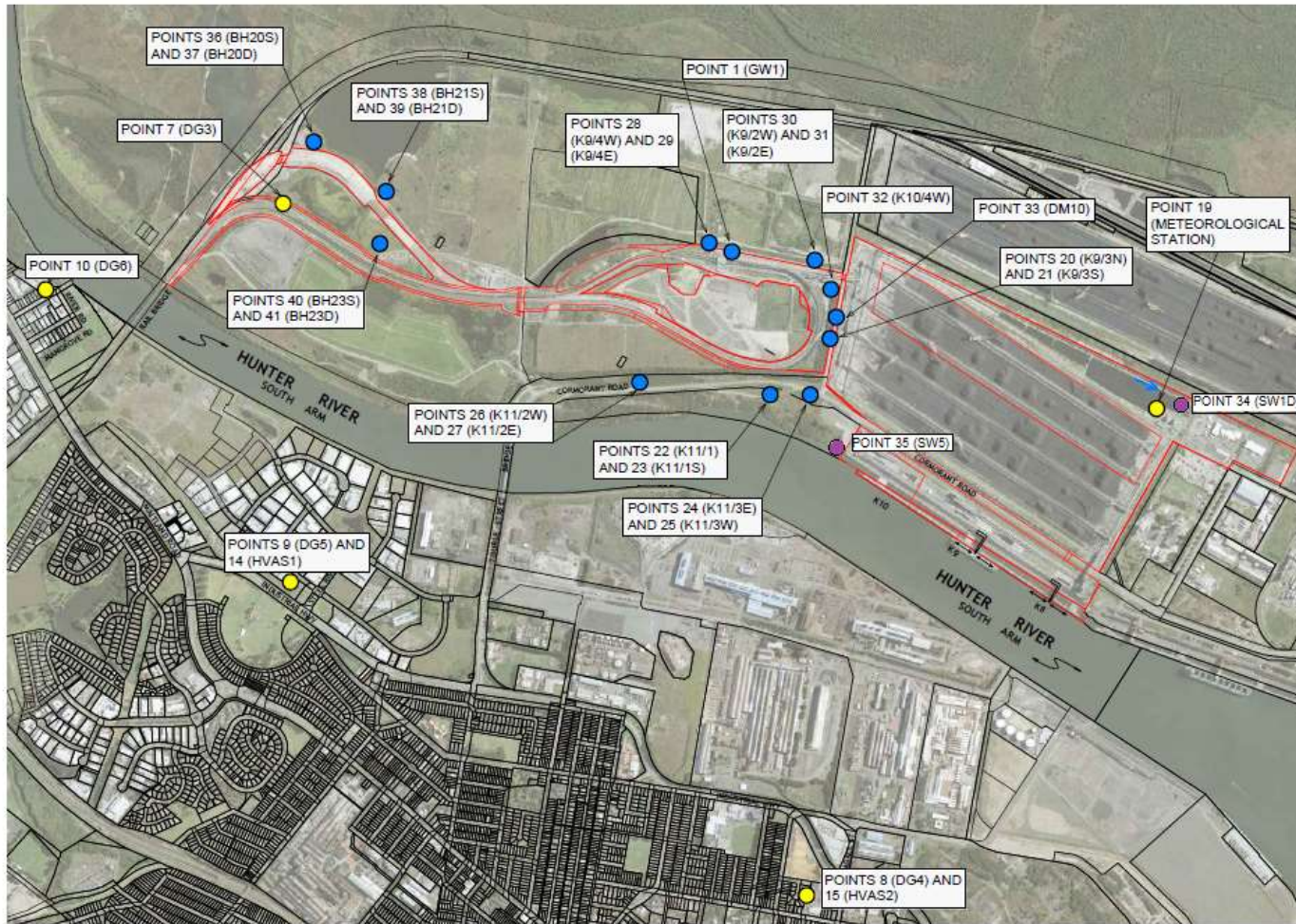


Figure 1: Groundwater, Surface Water and Additional Ambient Air Quality Monitoring Locations.