

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: 4th September 2018

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 monitor and publish ambient air quality data for these locations previously listed in EPL12693 for the interest of the public.

Depositional Dust Monitoring

Sample Period: 2nd July 2018 – 2nd August 2018

Date Obtained: 22nd August 2018

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	4.6*	0.8	1.1	1.9

*High level of contamination (such as bird droppings) in DG3 sample during this period.

High Volume Air Sampling

Date Obtained: 22nd August 2018

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	
1-July 18	26	1-July 18	12	6-July 18	62	6-July 18	23	
7-July 18	33	7-July 18	8	12-July 18	40	12-July 18	22	
13-July 18	32	13-July 18	10	18-July 18	97*	18-July 18	46	
19-July 18	97*	19-July 18	40	24-July 18	87	24-July 18	37	
25-July 18	52	25-July 18	21	30-July 18	41	30-July 18	14	
31-July 18	67	31-July 18	20					

* Elevated result – north-westerly winds during this time. NB. Sample period is a 24-hour period on each of the above dates | TSP = Total Suspended Particulates | PM10 = Particulate Matter <10 microns

Groundwater Resampling: Point 20 (K9/3N)

Sample Date: 2nd August 2018

Date Obtained: 15th August 2018

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	27400	25400	No

*If results are confirmed to be elevated, actions listed in Condition E1.1 of EPL12693 are to be followed. These actions included commencing six monthly groundwater monitoring at additional locations outlined in EPL12693.

Groundwater Resampling: Point 40 (BH23s)

Sample Date: 2nd August 2018

Date Obtained: 15th August 2018

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)
Total PAH	µg/L	13.9	<0.5	No

*If results are confirmed to be elevated, actions listed in Condition E1.1 of EPL12693 are to be followed. These actions included commencing six monthly groundwater monitoring at additional locations outlined in EPL12693.

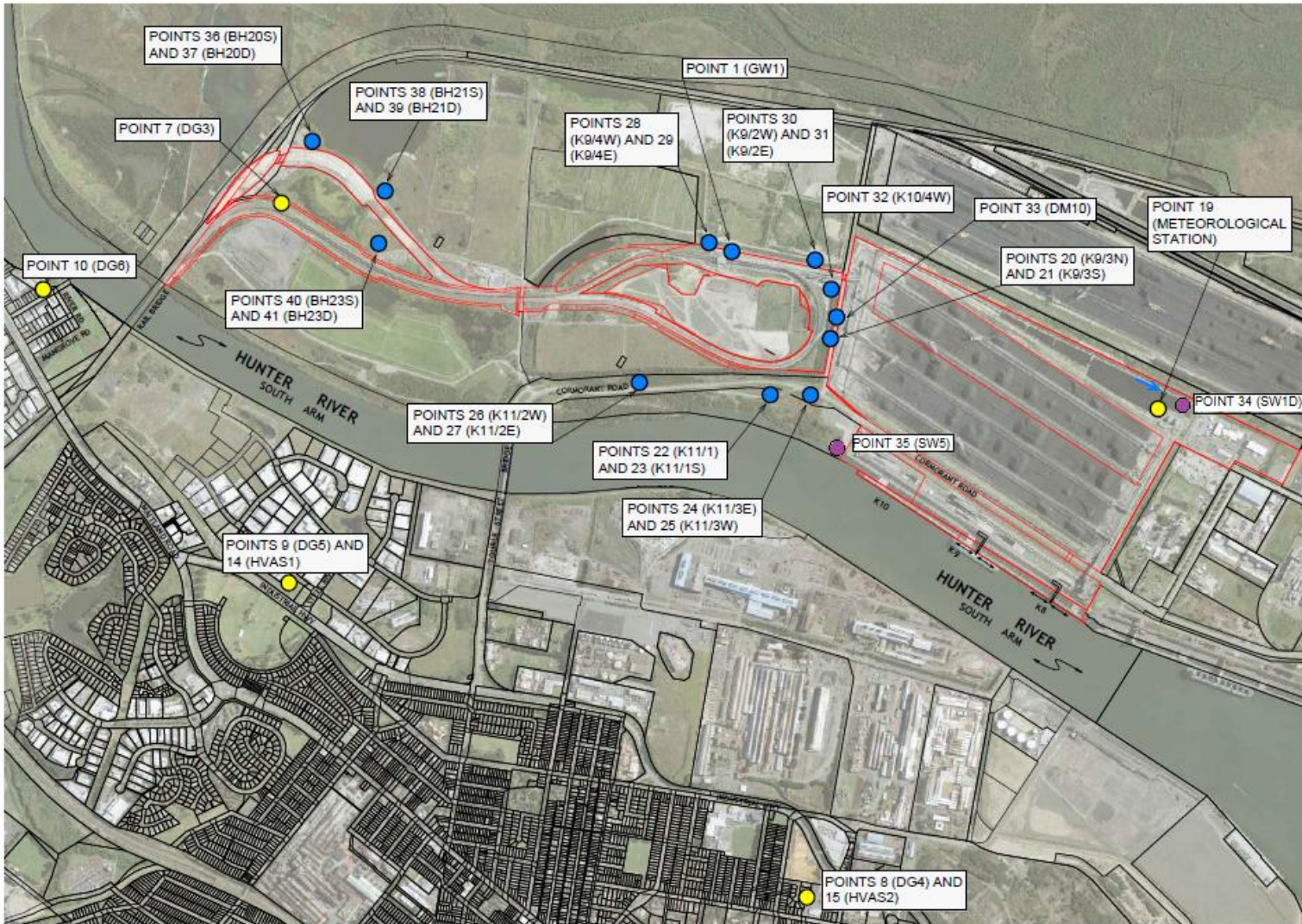


Figure 1: Groundwater, Surface Water and Additional Ambient Air Quality Monitoring Locations.