

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 Data Obtained: 29 September 2020

Date Published: 15 October 2020

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: 5 August 2020 – 8 September 2020

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

Frequency: Monthly

	DG2 (Stockton)	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	1.6	0.8	0.9	1.2	3.0

High Volume Air Sampling

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

Frequency: Weekly

	Monitoring Point 14 - HVAS 1 (Steel River, Mayfield West)				Monitoring Point 15 - HVAS 2 (Crebert Street, Mayfield)			
	TSP		PM10		TSP		PM10	
06-Aug-20	27	06-Aug-20	11	06-Aug-20	24	06-Aug-20	16	
12-Aug-20	27	12-Aug-20	13	12-Aug-20	31	12-Aug-20	17	
18-Aug-20	26	18-Aug-20	7	18-Aug-20	31	18-Aug-20	11	
24-Aug-20	30	24-Aug-20	6	24-Aug-20	28	24-Aug-20	11	
30-Aug-20	48	30-Aug-20	25	30-Aug-20	53	30-Aug-20	34	

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

6 Monthly Groundwater Monitoring

Results Received: 29 September 2020

Date Published: 15 October 2020

Groundwater Resampling: Point 21 (K9/3S)

Sample Date: 13 August 2020

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)
Arsenic	mg/L	0.006	0.004	No*

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

Groundwater Resampling: Point 22 (K11/1)

Sample Date: 18 September 2020

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	pH units	7.64	7.46	No*

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

Groundwater Resampling: Point 37 (BH20D)

Sample Date: 13 August 2020

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	pH units	6.34	6.59	Yes*

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

Groundwater Resampling: Point 41 (BH23D)

Sample Date: 13 August 2020

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)
Bromide	mg/L	1100	20.2	No*

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

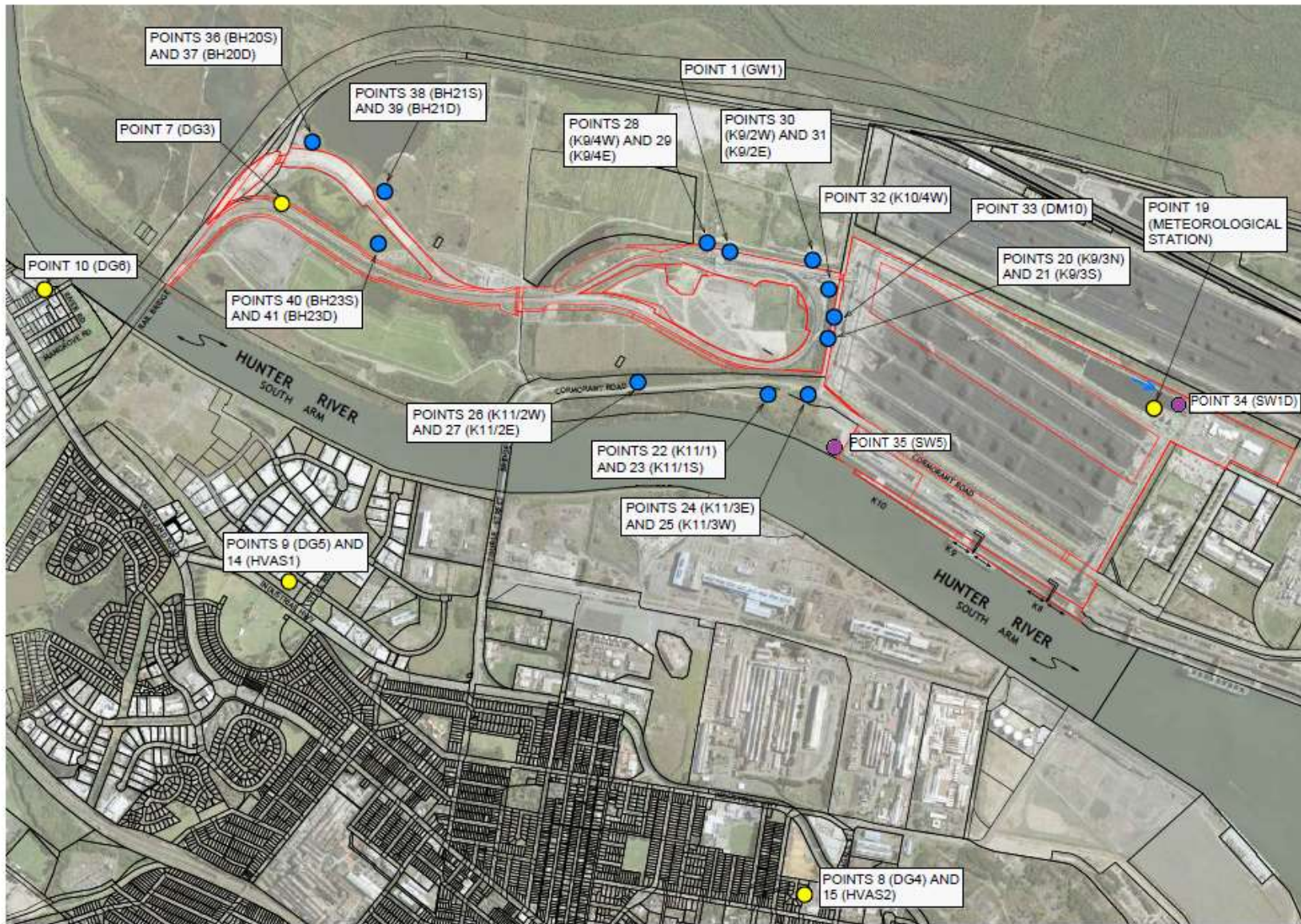


Figure 1: Groundwater, Surface Water and Additional Ambient Air Quality Monitoring Locations.