

# 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:** 4<sup>th</sup> September 2018

**Note:** On the 25<sup>th</sup> 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:** 2<sup>nd</sup> July 2018 – 2<sup>nd</sup> August 2018

**Date Obtained:** 22<sup>nd</sup> August 2018

**Units of Measure:** grams per square metre per month (g/m<sup>2</sup>/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)
<b>Depositional Dust</b>	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:** 22<sup>nd</sup> August 2018

**Units of measure:** micrograms per cubic metre (µg/m<sup>3</sup>)

**Frequency:** Weekly

	Monitoring Point 14 - HVAS 1 (Steel River)			Monitoring Point 15 - HVAS 2 (Crebert Street)			
	TSP	PM10		TSP		PM10	
<b>1-July 18</b>	26	<b>1-July 18</b>	12	<b>6-July 18</b>	62	<b>6-July 18</b>	23
<b>7-July 18</b>	33	<b>7-July 18</b>	8	<b>12-July 18</b>	40	<b>12-July 18</b>	22
<b>13-July 18</b>	32	<b>13-July 18</b>	10	<b>18-July 18</b>	97*	<b>18-July 18</b>	46
<b>19-July 18</b>	97*	<b>19-July 18</b>	40	<b>24-July 18</b>	87	<b>24-July 18</b>	37
<b>25-July 18</b>	52	<b>25-July 18</b>	21	<b>30-July 18</b>	41	<b>30-July 18</b>	14
<b>31-July 18</b>	67	<b>31-July 18</b>	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:** 2<sup>nd</sup> August 2018

**Date Obtained:** 15<sup>th</sup> 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:** 2<sup>nd</sup> August 2018

**Date Obtained:** 15<sup>th</sup> 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.

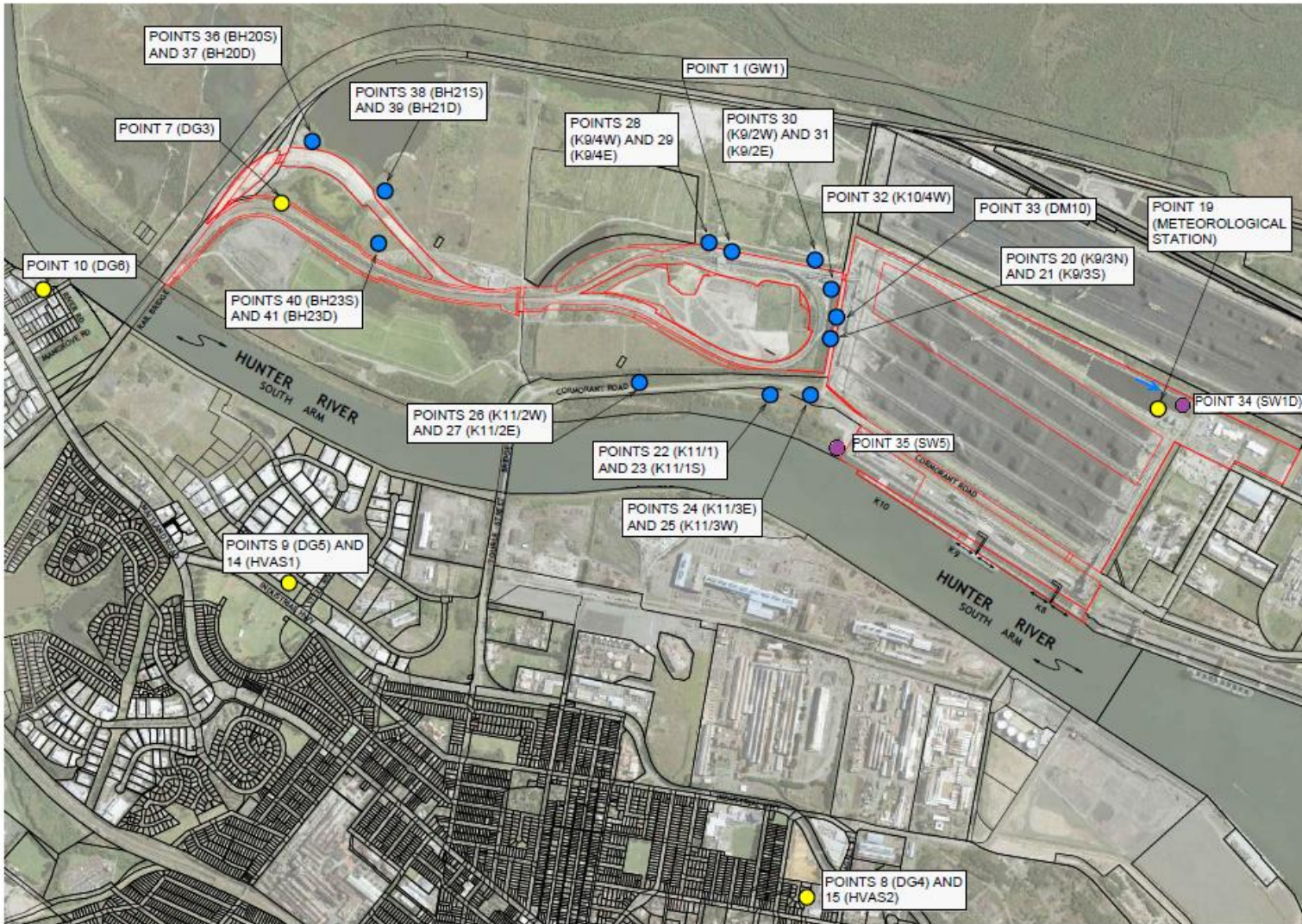


Figure 1: Groundwater, Surface Water and Additional Ambient Air Quality Monitoring Locations.