

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: 13 May 2021

Date Published: 13 May 2021

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: 10 March 2021 – 9 April 2021

Units of Measure: Insoluble Solids (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	0.5	1.7	0.6	1.6

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	
04-Mar-21	ND	04-Mar-21	ND	04-Mar-21	35	04-Mar-21	17	
10-Mar-21	42	10-Mar-21	19	16-Mar-21*	22	16-Mar-21*	10	
18-Mar-21	24	18-Mar-21	10	18-Mar-21	18	18-Mar-21	9	
22-Mar-21	14	22-Mar-21	6	22-Mar-21	22	22-Mar-21	13	
28-Mar-21	23	28-Mar-21	12	28-Mar-21	22	28-Mar-21	14	

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

ND – indicates no data due to program error

*HVAS re-run dates due to power failure on 10 March 2021

Discharge Water Quality Monitoring

Discharge Quality Monitoring – Point 34

Sample Dates: 18 - 26 (inclusive) and 29 March 2021

Frequency Requirement: Monthly during discharge

Pollutant	Units of Measure	No. of times measured during discharge event	Min value	Mean value	Median value	Max value
Oil and Grease	mg/L	17	<5	<5	<5	<5
pH	pH units	17	7.34	7.75	7.75	8.17
Total Suspended Solids	mg/L	17	14	50	48	82

Ambient Water Monitoring – Point 35

Sample Date: 18 - 26 (inclusive) and 29 March 2021

Frequency Requirement: Samples collected on an outgoing/ebb tide when monitoring is required at Point 34

Pollutant	Units of Measure	No. of times measured during discharge event	Min value	Mean value	Median value	Max value
Oil and Grease	mg/L	16	<5	<5	<5	<5
pH	pH units	16	7.14	7.45	7.44	7.71
Total Suspended Solids	mg/L	16	19	132	84	372

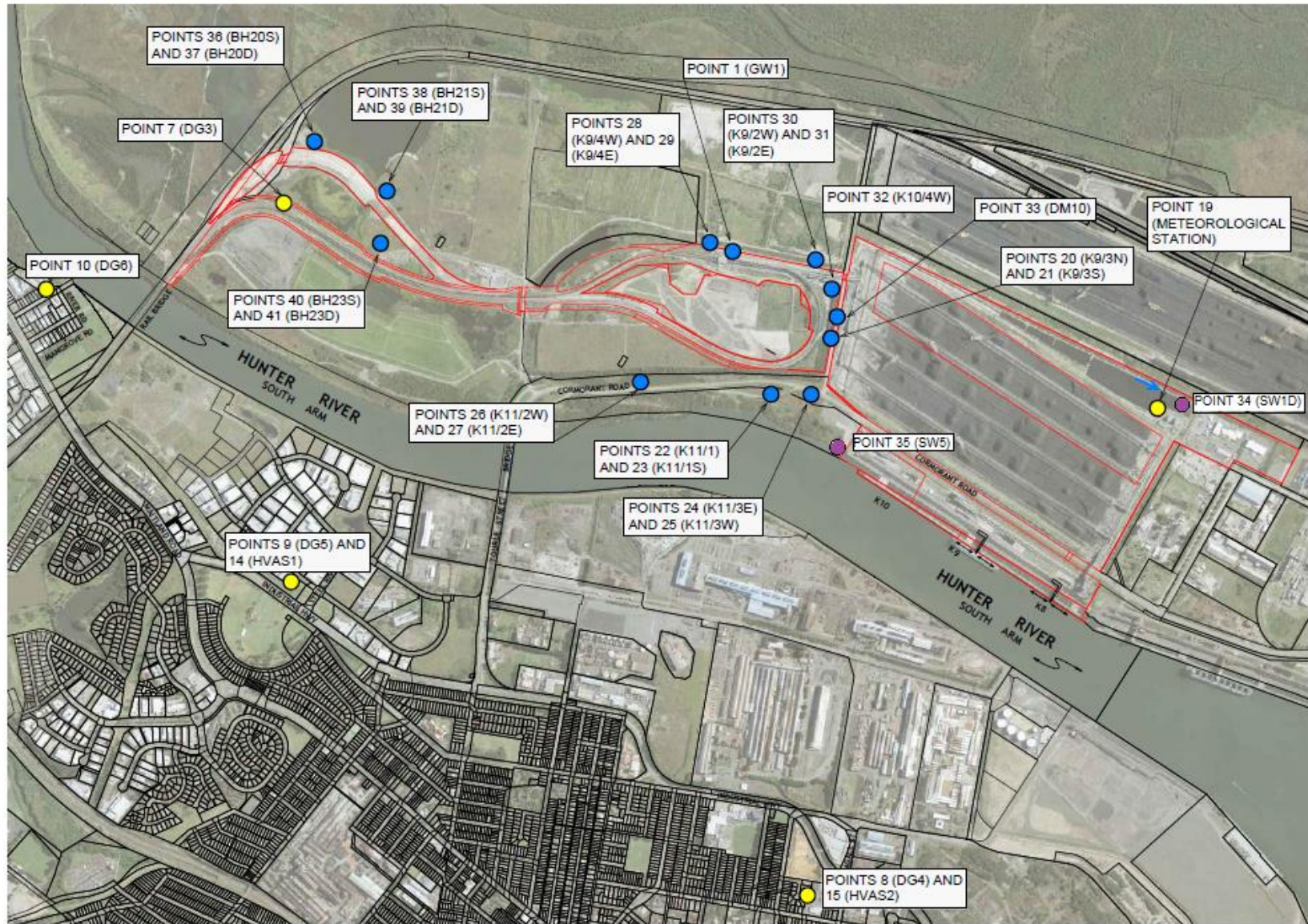


Figure 1: Groundwater, Surface Water and Additional Ambient Air Quality Monitoring Locations