

Stormwater Monitoring Data – EPL 1967 EPL

Year: 2021 calendar year

Licensee Name and Address: Port of Newcastle Operations Pty Ltd; Newcastle Bulk Terminal, Heron Road Kooragang NSW 2304.

Location: Point 1 (Berth K2 Outlet)

Type of Monitoring: Discharge water quality monitoring.

Frequency required: Monthly during discharge with exceptions noted below table.

Notes: No limits are specified in EPL 1967.

EPL Link: [Link to EPL 1967](#) on EPA POEO Register

Monitoring location:



Figure: Location of EPL 1967 Point 1 (Google Maps, accessed 2021)

Analyte	Units	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021
Date sampled	-	7/01/2021	2/02/2021				
Date results received	-	25/02/2021	30/03/2021				
Date published	-	19/04/2021	19/04/2021				
pH	pH	7.19	5.7				
Aluminium (dissolved)	mg/L	0.03	0.02				
Aluminium (total)	mg/L	0.42	0.68				
Ammonia	mg/L	69.5	12.7				
Arsenic ** (dissolved)	mg/L	0.005	0.012				
Arsenic ** (total)	mg/L	0.006	0.012				
Cadmium (dissolved)	mg/L	<0.0001	0.001				
Cadmium (total)	mg/L						
Lead (dissolved)	mg/L	<0.001	<0.001				
Lead (total)	mg/L	0.003	0.003				
Mercury (dissolved)	mg/L	0.0003	0.0001				
Mercury (total)	mg/L	0.0002	0.0001				
Nitrate	mg/L	0.05	1.26				
Nitrite	mg/L	<0.05	0.14				
Total Nitrogen	mg/L	82.2	13.7				
Total Kjeldahl Nitrogen	mg/L	82.1	12.3				
Phosphate	mg/L	167	310				
Phosphorus (dissolved reactive)	mg/L	<0.05	101				
Phosphorus (total)	mg/L	54.4	101				
Sulfate	mg/L	58	643				
Sulfur	mg/L	70	710				
Sulfide (dissolved)	mg/L	2.5	<0.1				
Total Suspended Solids	mg/L	60	29				
Zinc (dissolved)	mg/L	0.049	2.74				
Zinc (total)	mg/L	0.277	3.22				

* insufficient rainfall for sample collection

** only required to be monitored following Sulphate of Ammonia operation

Results are continued on next page.

Analyte	Units	July 2021	August 2021	Sept 2021	Oct 2021	Nov 2021	Dec 2021
Date sampled	-						
Date results received	-						
Date published	-						
pH	pH						
Aluminium (dissolved)	mg/L						
Aluminium (total)	mg/L						
Ammonia	mg/L						
Arsenic ** (dissolved)	mg/L						
Arsenic ** (total)	mg/L						
Cadmium (dissolved)	mg/L						
Cadmium (total)	mg/L						
Lead (dissolved)	mg/L						
Lead (total)	mg/L						
Mercury (dissolved)	mg/L						
Mercury (total)	mg/L						
Nitrate	mg/L						
Nitrite	mg/L						
Total Nitrogen	mg/L						
Total Kjeldahl Nitrogen	mg/L						
Phosphate	mg/L						
Phosphorus (dissolved reactive)	mg/L						
Phosphorus (total)	mg/L						
Sulfate	mg/L						
Sulfur	mg/L						
Sulfide (dissolved)	mg/L						
Total Suspended Solids	mg/L						
Zinc (dissolved)	mg/L						
Zinc (total)	mg/L						

* insufficient rainfall for sample collection

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