

Environmental Protection Licence 1967

2025 Stormwater Monitoring Data

Point 1 - Berth K2 Outlet

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

Type of Monitoring: Discharge water quality monitoring.

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

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 2022)

Analyte	Units	January 2025	February 2025	March 2025	April 2025	May 2025	June 2025
Date sampled	-	7/01/2025	12/02/2025	21/03/2025			
Ammonia as N	mg/L	8.5	380	640			
Dissolved Aluminium, Al	mg/L	0.02	0.09	<0.01			
Dissolved Arsenic, As**	mg/L	0.026	0.003	0.046			
Dissolved Cadmium, Cd	mg/L	0.0036	0.0001	0.0001			
Dissolved Lead, Pb	mg/L	<0.001	<0.001	<0.001			
Dissolved Mercury	mg/L	<0.00005	<0.00005	<0.00005			
Dissolved Zinc, Zn	mg/L	0.32	0.093	0.017			
Filterable Reactive Phosphorus	mg/L	140	0.81	400			
Nitrate as N	mg/L	2	<0.005	1.9			
Nitrite as N	mg/L	0.86	<0.005	0.96			
pH	pH unit	6.4	8.9	6.9			
Sulfate	mg/L	450	470	710			
Total Aluminium	mg/L	4.5	8.3	2.8			
Total Arsenic**	mg/L	0.028	0.016	0.048			
Total Cadmium	mg/L	0.53	0.004	0.015			
Total Kjeldahl Nitrogen	mg/L	92	410	900			
Total Lead	mg/L	0.11	0.032	0.009			
Total Mercury	mg/L	<0.00005	<0.00005	<0.00005			
Total Nitrogen (calc)	mg/L	95	800	903			
Total Phosphate	mg/L	521	224	1256			
Total Phosphorus	mg/L	170	73	410			
Total Sulphide	mg/L	<0.5	0.6	0.6			
Total Sulphur, S	mg/L	170	180	230			
Total Suspended Solids	mg/L	380	220	330			
Total Zinc	mg/L	0.61	2	1.1			

* insufficient rainfall for sample collection

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

Results are continued on next page.

Analyte	Units	July 2025	August 2025	September 2025	October 2025	November 2025	December 2025
Date sampled	-						
Ammonia as N	mg/L						
Dissolved Aluminium, Al	mg/L						
Dissolved Arsenic, As**	mg/L						
Dissolved Cadmium, Cd	mg/L						
Dissolved Lead, Pb	mg/L						
Dissolved Mercury	mg/L						
Dissolved Zinc, Zn	mg/L						
Filterable Reactive Phosphorus	mg/L						
Nitrate as N	mg/L						
Nitrite as N	mg/L						
pH	pH unit						
Sulfate	mg/L						
Total Aluminium	mg/L						
Total Arsenic**	mg/L						
Total Cadmium	mg/L						
Total Kjeldahl Nitrogen	mg/L						
Total Lead	mg/L						
Total Mercury	mg/L						
Total Nitrogen (calc)	mg/L						
Total Phosphate	mg/L						
Total Phosphorus	mg/L						
Total Sulphide	mg/L						
Total Sulphur, S	mg/L						
Total Suspended Solids	mg/L						
Total Zinc	mg/L						

* insufficient rainfall for sample collection.

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