

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				
Ammonia as N	mg/L	8.5	380				
Dissolved Aluminium, Al	mg/L	0.02	0.09				
Dissolved Arsenic, As**	mg/L	0.026	0.003				
Dissolved Cadmium, Cd	mg/L	0.0036	0.0001				
Dissolved Lead, Pb	mg/L	<0.001	<0.001				
Dissolved Mercury	mg/L	<0.00005	<0.00005				
Dissolved Zinc, Zn	mg/L	0.32	0.093				
Filterable Reactive Phosphorus	mg/L	140	0.81				
Nitrate as N	mg/L	2	<0.005				
Nitrite as N	mg/L	0.86	<0.005				
pH	pH unit	6.4	8.9				
Sulfate	mg/L	450	470				
Total Aluminium	mg/L	4.5	8.3				
Total Arsenic**	mg/L	0.028	0.016				
Total Cadmium	mg/L	0.53	0.004				
Total Kjeldahl Nitrogen	mg/L	92	410				
Total Lead	mg/L	0.11	0.032				
Total Mercury	mg/L	<0.00005	<0.00005				
Total Nitrogen (calc)	mg/L	95	800				
Total Phosphate	mg/L	521	220				
Total Phosphorus	mg/L	170	73				
Total Sulphide	mg/L	<0.5	0.6				
Total Sulphur, S	mg/L	170	180				
Total Suspended Solids	mg/L	380	220				
Total Zinc	mg/L	0.61	2				

* 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.

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