

Environmental Protection Licence 1967

2025 Stormwater Monitoring Data

Point 3 - Berth K3 Outlet (discharge to biofiltration pit)

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 3 (Google Maps, accessed 2022, approximate)

Analyte	Units	January 2025	February 2025	March 2025	April 2025	May 2025	June 2025
Date sampled	-	8/01/2025	12/02/2025	21/03/2025			
Ammonia as N	mg/L	1.1	2.3	0.48			
Dissolved Aluminium, Al	mg/L	<0.01	0.01	<0.01			
Dissolved Arsenic, As**	mg/L	0.002	0.002	0.001			
Dissolved Cadmium, Cd	mg/L	<0.0001	<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	0.02	0.012	0.018			
Filterable Reactive Phosphorus	mg/L	0.48	2.3	12			
Nitrate as N	mg/L	0.28	2.7	0.69			
Nitrite as N	mg/L	0.35	0.056	0.006			
pH	pH unit	7.5	8	7.2			
Sulphate	mg/L	2300	2400	710			
Total Aluminium	mg/L	1.6	3.6	1.6			
Total Arsenic**	mg/L	0.002	0.003	0.003			
Total Cadmium	mg/L	4.4	0.0002	0.0002			
Total Kjeldahl Nitrogen	mg/L	1.3	2.6	0.6			
Total Lead	mg/L	0.008	0.005	0.004			
Total Mercury	mg/L	<0.00005	<0.00005	<0.00005			
Total Nitrogen (calc)	mg/L	1.93	5.356	1.296			
Total Phosphate	mg/L	1.87	7.05	12.57			
Total Phosphorus	mg/L	0.61	2.3	4.1			
Total Sulphide	mg/L	<0.5	<0.5	<0.5			
Total Sulphur, S	mg/L	1100	980	900			
Total Suspended Solids	mg/L	50	100	140			
Total Zinc	mg/L	0.22	0.1	0.07			

* 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						
Sulphate	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						

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