

Stormwater Monitoring Data EPL 1967 K2

Analyte	Units	13 January 2018	2 February 2018	4 March 2018	4 April 2018	30 May 2018	June 2018
pH	pH	7.04	6.66	8.73	8.14	8.71	8.95
Aluminium (dissolved)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.07
Aluminium (total)	mg/L	3.56	0.88	2	1.32	4.65	1.55
Ammonia	mg/L	30.1	37.3	1180	297	1300	543
Arsenic ** (dissolved)	mg/L	0.006	NA	NA	NA	NA	NA
Arsenic ** (total)	mg/L	0.01	NA	NA	NA	NA	NA
Cadmium (dissolved)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001
Cadmium (total)	mg/L	0.005	0.0019	0.0272	0.0012	0.0048	0.005
Lead (dissolved)	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lead (total)	mg/L	0.056	0.025	0.041	0.014	0.02	0.014
Mercury (dissolved)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Mercury (total)	mg/L	0.0004	<0.0001	0.0005	<0.0001	0.0002	<0.0001
Nitrate	mg/L	1.75	1.3	2	1.88	5.7	3.6
Nitrite	mg/L	0.55	1	2.9	0.12	11.3	8.3
Total Nitrogen	mg/L	35.6	35.1	1200	293	3610	660
Total Kjeldahl Nitrogen	mg/L	33.3	32.8	1200	291	3590	648
Phosphate	mg/L	100	121	1200	607	374	142
Phosphorus (dissolved reactive)	mg/L	25.8	37	166	165	52	5.5
Phosphorus (total)	mg/L	32.6	39.6	392	198	122	46.4
Sulfate	mg/L	159	89	792	285	866	392
Sulphur	mg/L	144	74	751	266	696	436
Sulfide (dissolved)	mg/L	0.5	<0.1	<0.5	<0.1	<0.1	<0.1
Total Suspended Solids	mg/L	175	48	24	116	1450	268
Zinc (dissolved)	mg/L	0.04	0.09	<0.005	0.005	<0.005	0.047
Zinc (total)	mg/L	1.44	4.47	1.66	1.06	0.799	1.48

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

Analyte	Units	July * 2018	26 August 2018	3 Sept 2018	October 2018	November 2018	December 2018
pH	pH		8.26	7.48	6.90	8.80	6.77
Aluminium (dissolved)	mg/L		0.02	<0.01	0.04	0.18	0.01
Aluminium (total)	mg/L		1.71	2	1.62	1.72	2.41
Ammonia	mg/L		188	96.4	26.8	764	482
Arsenic ** (dissolved)	mg/L		NA	NA	NA	NA	NA
Arsenic ** (total)	mg/L		NA	NA	NA	NA	NA
Cadmium (dissolved)	mg/L		0.0014	0.0004	0.0003	0.0001	<0.0001
Cadmium (total)	mg/L		0.0252	0.0114	0.0036	0.0063	0.0034
Lead (dissolved)	mg/L		<0.001	<0.001	0.001	<0.001	<0.001
Lead (total)	mg/L		0.048	0.028	0.028	0.039	0.037
Mercury (dissolved)	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Mercury (total)	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Nitrate	mg/L		0.2	3.1	0.09	<0.05	<0.05
Nitrite	mg/L		2.6	9.5	<0.05	<0.05	<0.05
Total Nitrogen	mg/L		198	98.5	34	905	436
Total Kjeldahl Nitrogen	mg/L		195	85.9	33.9	905	436
Phosphate	mg/L		71.7	171	67.4	371	1920
Phosphorus (dissolved reactive)	mg/L		13.7	53	17.6	8.3	632
Phosphorus (total)	mg/L		23.4	55.9	22	121	627
Sulfate	mg/L		320	198	82	462	495
Sulfur	mg/L		322	156	66	560	511
Sulfide (dissolved)	mg/L		<0.1	<0.1	<0.1	<0.1	0.2
Total Suspended Solids	mg/L		169	107	138	822	161
Zinc (dissolved)	mg/L		0.123	0.04	0.182	0.166	0.042
Zinc (total)	mg/L		2.52	2.87	1.36	1.63	1.47

* insufficient rainfall for sample collection

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