

Stormwater Monitoring Data EPL 1967 K2

Analyte	Units	January 2019	February 2019	March 2019	April 2019	May 2019	June 2019
pH	pH	6.48	8.38	7.58	6.01	8.98	8.30
Aluminium (dissolved)	mg/L	0.01	<0.01	<0.01	0.03	0.14	<0.01
Aluminium (total)	mg/L	0.84	0.33	2.91	0.51	1.32	0.75
Ammonia	mg/L	260	724	366	20.4	510	112
Arsenic ** (dissolved)	mg/L	0.003	0.016	0.021	0.006	0.01	0.003
Arsenic ** (total)	mg/L	0.018	0.024	0.026	0.007	0.012	0.005
Cadmium (dissolved)	mg/L	<0.0001	<0.0001	<0.0001	0.0001	0.0002	<0.0001
Cadmium (total)	mg/L	0.0089	0.0011	0.0025	0.003	0.0012	0.0007
Lead (dissolved)	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lead (total)	mg/L	0.013	0.006	0.024	0.006	0.007	0.006
Mercury (dissolved)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Mercury (total)	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Nitrate	mg/L	<0.05	<0.05	5.2	0.62	2.3	<0.05
Nitrite	mg/L	<0.05	0.06	10	0.08	2.3	0.13
Total Nitrogen	mg/L	<0.05	0.08	363	19.9	664	150
Total Kjeldahl Nitrogen	mg/L	311	831	348	19.2	659	150
Phosphate	mg/L	619	307	350	243	201	55.8
Phosphorus (dissolved reactive)	mg/L	192	47.8	68.8	71	56.7	9.9
Phosphorus (total)	mg/L	202	100	114	79.2	65.6	18.2
Sulfate	mg/L	669	751	402	41	243	179
Sulfur	mg/L	698	711	586	111	190	940
Sulfide (dissolved)	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Suspended Solids	mg/L	260	255	257	27	94	127
Zinc (dissolved)	mg/L	0.034	0.007	0.012	0.819	0.14	0.058
Zinc (total)	mg/L	1.93	0.553	2.68	1.46	0.618	1.37

* insufficient rainfall for sample collection

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

Analyte	Units	July 2019	August 2019	Sept 2019	Oct 2019	Nov 2019	Dec 2019
pH	pH	6.84	8.95				
Aluminium (dissolved)	mg/L	0.01	0.05				
Aluminium (total)	mg/L	0.87	2.07				
Ammonia	mg/L	82.7	160				
Arsenic ** (dissolved)	mg/L	0.003	0.002				
Arsenic ** (total)	mg/L	0.004	0.004				
Cadmium (dissolved)	mg/L	0.0001	<0.0001				
Cadmium (total)	mg/L	0.0008	0.0021				
Lead (dissolved)	mg/L	<0.001	<0.001				
Lead (total)	mg/L	0.011	0.021				
Mercury (dissolved)	mg/L	<0.0001	<0.0001				
Mercury (total)	mg/L	<0.0001	<0.0001				
Nitrate	mg/L	<0.05	0.53				
Nitrite	mg/L	<0.05	<0.05				
Total Nitrogen	mg/L	69.8	151				
Total Kjeldahl Nitrogen	mg/L	69.8	150				
Phosphate	mg/L	59.8	25.1				
Phosphorus (dissolved reactive)	mg/L	19.3	2.1				
Phosphorus (total)	mg/L	19.5	18.2				
Sulfate	mg/L	1350	990				
Sulfur	mg/L	1300	1010				
Sulfide (dissolved)	mg/L	<0.1	<0.1				
Total Suspended Solids	mg/L	333	219				
Zinc (dissolved)	mg/L	0.383	0.092				
Zinc (total)	mg/L	1.08	1.09				