

Pollutant Monitoring Results - Leachate



EPL No:	4068
Entity Name:	Elizabeth Drive Landfill
Site:	1725 Elizabeth Drive, KEMPS CREEK, NSW, 2178
Monitoring Frequency:	Quarterly
Link to NSW EPA Register:	Click Here

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Location Name	EPA Monitoring Point No.	Pollutant	Unit of measure	Frequency	12/03/2024	17/06/2024	28/08/2024	4/12/2024	No. of samples required by licence	No. of samples collected and analysed	Lowest Sample Value	Mean Sample Value	Highest Sample Value	Comments	
L7	26	Adsorbable Organic Halogens	mg/l	Quarterly	NL	1.1	1.5	4	4	4	1.1	2.2	4		
	26	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	NL	4750	5340	6070	4	4	4750	5386.666667	6070		
	26	Aluminium	mg/l	Quarterly	NL	<0.10	0.65	<0.10	4	4	0.65	0.65	0.65		
	26	Arsenic	mg/l	Quarterly	NL	0.026	0.027	0.042	4	4	0.026	0.031666667	0.042		
	26	Barium	mg/l	Quarterly	NL	2.84	2.97	2.66	4	4	2.66	2.823333333	2.97		
	26	Benzene	mg/l	Every 6 months	NL	0.006		0.007	2	2	0.006	0.0065	0.007		
	26	Bicarbonate	mg/l	Quarterly	NL	4750	5340	6070	4	4	4750	5386.666667	6070		
	26	Biological oxygen Demand	mg/l	Quarterly	NL	104	113	141	4	4	104	119.3333333	141		
	26	Cadmium	mg/l	Quarterly	NL	<0.0010	<0.0010	<0.0010	4	4	<0.0010	<0.0010	<0.0010		
	26	Calcium	mg/l	Quarterly	NL	45	28	36	4	4	28	36.33333333	45		
	26	Chemical Oxygen Demand	mg/l	Yearly	NL	1670			1	2	1670	1670	1670		
	26	Chloride	mg/l	Quarterly	NL	12800	18900	14800	4	4	12800	15500	18900		
	26	Chlorinated Hydrocarbons	mg/l	Every 6 months	NL	<0.005			<0.005	2	2	<0.005	<0.005	<0.005	
	26	Chromium	mg/l	Quarterly	NL	0.124	0.191	0.274	4	4	0.124	0.196333333	0.274		
	26	Conductivity	µS/cm	Quarterly	NL	48600	60200	53800	4	4	48600	54200	60200		
	26	Copper	mg/l	Quarterly	NL	<0.010	<0.010	<0.010	4	4	<0.010	<0.010	<0.010		
	26	Dissolved Oxygen	mg/l	Quarterly	NL	6.1	3.1	5.2	4	4	3.1	4.8	6.1		
	26	Fluoride	mg/l	Quarterly	NL	1.5	1.6	1.8	4	4	1.5	1.633333333	1.8		
	26	Lead	mg/l	Quarterly	NL	<0.010	<0.010	<0.010	4	4	<0.010	<0.010	<0.010		
	26	Magnesium	mg/l	Quarterly	NL	248	253	287	4	4	248	262.6666667	287		
	26	Manganese	mg/l	Quarterly	NL	0.04	0.039	0.069	4	4	0.039	0.049333333	0.069		
	26	Mercury	mg/l	Quarterly	NL	<0.0001	<0.0001	<0.0001	4	4	<0.0001	<0.0001	<0.0001		
	26	Nickel	mg/l	Every 6 months	NL	0.151		0.176	2	3	0.151	0.1635	0.176		
	26	Nitrate	mg/l	Quarterly	NL	0.16	<0.10	10.9	4	4	0.16	5.53	10.9		
	26	Nitrite	mg/l	Quarterly	NL	<0.10	<0.10	<0.10	4	4	<0.10	<0.10	<0.10		
	26	Nitrogen (ammonia)	mg/l	Quarterly	NL	861	1100	713	4	4	713	891.3333333	1100		
	26	Nitrogen (Total)	mg/l	Quarterly	NL	974	1120	1110	4	4	974	1068	1120		
	26	pH	pH Unit	Quarterly	NL	7.63	7.92	7.89	4	4	7.63	7.813333333	7.92		
	26	Phosphorus (total)	mg/l	Quarterly	NL	5.61	5.01	7.22	4	4	5.01	5.946666667	7.22		
	26	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months	NL	0.0031		0.0044	2	3	0.0031	0.00375	0.0044		
	26	Potassium	mg/l	Quarterly	NL	2010	2680	2520	4	4	2010	2403.333333	2680		
	26	Redox Potential	mV	Quarterly	NL	153	147	74	4	4	74	124.6666667	153		
26	Selenium	mg/l	Yearly	NL	<0.10			1	2	<0.10	<0.10	<0.10			
26	Silica	mg/l	Yearly	NL	69.4			1	2	69.4	69.4	69.4			
26	Silver	mg/l	Yearly	NL	<0.010			1	2	<0.010	<0.010	<0.010			
26	Sodium	mg/l	Quarterly	NL	8720	11600	10500	4	4	8720	10273.33333	11600			
26	Sulfate	mg/l	Quarterly	NL	<10	26	<10	4	4	26	26	26			
26	Tin	mg/l	Every 6 months	NL	<0.010			2	3	<0.010	<0.010	<0.010			
26	Total Dissolved Solids	mg/l	Quarterly	NL	25900	37200	37600	4	4	25900	33566.66667	37600			
26	Total Organic Carbon	mg/l	Quarterly	NL	493	21	736	4	4	21	416.6666667	736			
26	Total Phenolics	mg/l	Quarterly	NL	<0.05	<0.20	0.1	4	4	0.1	0.1	0.1			
26	Zinc	mg/l	Quarterly	NL	<0.052	<0.052	<0.052	4	4	<0.052	<0.052	<0.052			
L7	27	Adsorbable Organic Halogens	mg/l	Quarterly	1.2	0.36	1	6.9	4	4	0.36	2.365	6.9		
	27	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	2090	1340	928	1440	4	4	928	1449.5	2090		
	27	Aluminium	mg/l	Quarterly	0.04	0.09	0.03	0.08	4	4	0.03	0.06	0.09		
	27	Arsenic	mg/l	Quarterly	0.163	0.179	0.149	0.196	4	4	0.149	0.17175	0.196		
	27	Barium	mg/l	Quarterly	0.165	0.176	0.099	0.13	4	4	0.099	0.1425	0.176		
	27	Benzene	mg/l	Every 6 months		<0.001		0.003	2	2	0.003	0.003	0.003		
	27	Bicarbonate	mg/l	Quarterly	2090	1340		1030	4	4	1030	1486.666667	2090		
	27	Biological oxygen Demand	mg/l	Quarterly	41	19	55	24	4	4	19	34.75	55		
	27	Cadmium	mg/l	Quarterly	0.0004	0.0006	0.001	0.0012	4	4	0.0004	0.0008	0.0012		
	27	Calcium	mg/l	Quarterly	115	212	332	25	4	4	25	171	332		
	27	Chemical Oxygen Demand	mg/l	Yearly		383			1	1	383	383	383		
	27	Chloride	mg/l	Quarterly	2430	2720	4630	4200	4	4	2430	3495	4630		
	27	Chlorinated Hydrocarbons	mg/l	Every 6 months		<0.005			<0.005	2	2	<0.005	<0.005	<0.005	
	27	Chromium	mg/l	Quarterly	0.029	0.015	0.008	0.022	4	4	0.008	0.0185	0.029		
	27	Conductivity	µS/cm	Quarterly	17200	12900	17900	19100	4	4	12900	16775	19100		
27	Copper	mg/l	Quarterly	0.009	0.005	0.006	0.02	4	4	0.005	0.01	0.02			

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L10	27	Dissolved Oxygen	mg/l	Quarterly	2	6.2	5.2	6.9	4	4	2	5.075	6.9	
	27	Fluoride	mg/l	Quarterly	2	2	0.9	2.4	4	4	0.9	1.825	2.4	
	27	Lead	mg/l	Quarterly	0.003	0.002	0.002	0.008	4	4	0.002	0.00375	0.008	
	27	Magnesium	mg/l	Quarterly	217	292	22	88	4	4	22	154.75	292	
	27	Manganese	mg/l	Quarterly	0.247	0.88	0.121	0.189	4	4	0.121	0.35925	0.88	
	27	Mercury	mg/l	Quarterly	0.0003	<0.0001	<0.0001	<0.0001	4	4	0.0003	0.0003	0.0003	
	27	Nickel	mg/l	Every 6 months		0.232		0.463	2	2	0.232	0.3475	0.463	
	27	Nitrate	mg/l	Quarterly	0.1	0.88	3.75	11	4	4	0.1	3.9325	11	
	27	Nitrite	mg/l	Quarterly	<0.01	0.01	0.36	3.12	4	4	0.01	1.163333333	3.12	
	27	Nitrogen (ammonia)	mg/l	Quarterly	369	175	408	709	4	4	175	415.25	709	
	27	Nitrogen (Total)	mg/l	Quarterly	470	166	404	1110	4	4	166	537.5	1110	
	27	Organotin MBT	µg/L	Quarterly	0.031	<0.020	<0.02	<0.02	4	4	0.031	0.031	0.031	
	27	Organotin DBT	µg/L	Quarterly	<0.010	<0.010	<0.01	<0.02	4	4	<0.010	#DIV/0!	<0.02	
	27	Organotin TBT	µg/L	Quarterly	<0.0020	<0.0020	<0.003	<0.02	4	4	<0.002	#DIV/0!	<0.02	
	27	pH	mg/l	Quarterly	8.1	7.75	9.39	8.69	4	4	7.75	8.4825	9.39	
	27	Phosphorus (total)	mg/l	Quarterly	2.26	1.15	0.79	5.5	4	4	0.79	2.425	5.5	
	27	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months		<0.0005		0.0005	2	2	0.0005	0.0005	0.0005	
	27	Potassium	mg/l	Quarterly	758	644	748	0.0005	4	4	0.0005	537.500125	758	
	27	Redox Potential	mV	Quarterly	45.5	138	55	33.2	4	4	33.2	67.925	138	
	27	Selenium	mg/l	Yearly		0.01			1	1	0.01	0.01	0.01	
	27	Silica	mg/l	Yearly		30			1	1	30	30	30	
	27	Silver	mg/l	Yearly		<0.001			1	1	<0.001	<0.001	<0.001	
27	Sodium	mg/l	Quarterly	2120	1580	2490	2760	4	4	1580	2237.5	2760		
27	Sulfate	mg/l	Quarterly	87	1400	2170	1990	4	4	87	1411.75	2170		
27	Tin	mg/l	Every 6 months		0.012		0.002	2	2	0.002	0.007	0.012		
27	Total Dissolved Solids	mg/l	Quarterly	8940	7460	10300	11400	4	4	7460	9525	11400		
27	Total Organic Carbon	mg/l	Quarterly	149	96	126	181	4	4	96	138	181		
27	Total Phenolics	mg/l	Quarterly	<1.00	<0.05	<0.20	0.11	4	4	0.11	0.11	0.11		
27	Zinc	mg/l	Quarterly	0.037	0.043	0.068	0.114	4	4	0.037	0.0655	0.114		
A2L1	28	Adsorbable Organic Halogens	mg/l	Quarterly	1.1	0.28	0.85	7.6	4	4	0.28	2.4575	7.6	
	28	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	2650	1020	888	3750	4	4	888	2077	3750	
	28	Aluminium	mg/l	Quarterly	2.86	0.04	0.11	0.02	4	4	0.02	0.7575	2.86	
	28	Arsenic	mg/l	Quarterly	0.078	0.013	0.012	0.201	4	4	0.012	0.076	0.201	
	28	Barium	mg/l	Quarterly	0.114	0.104	0.118	0.084	4	4	0.084	0.105	0.118	
	28	Benzene	mg/l	Every 6 months		<0.001		0.004	2	2	0.004	0.004	0.004	
	28	Bicarbonate	mg/l	Quarterly	2420	1020	888	2700	4	4	888	1757	2700	
	28	Biological oxygen Demand	mg/l	Quarterly	44	6	9	37	4	4	6	24	44	
	28	Cadmium	mg/l	Quarterly	0.0039	0.002	0.0042	0.0027	4	4	0.002	0.0032	0.0042	
	28	Calcium	mg/l	Quarterly	34	214	215	12	4	4	12	118.75	215	
	28	Chemical Oxygen Demand	mg/l	Yearly		185			1	1	185	185	185	
	28	Chloride	mg/l	Quarterly	4200	2000	3790	4990	4	4	2000	3745	4990	
	28	Chlorinated Hydrocarbons	mg/l	Every 6 months		<0.005		<0.005	2	2	<0.005	<0.005	<0.005	
	28	Chromium	mg/l	Quarterly	0.037	0.011	0.02	0.038	4	4	0.011	0.0265	0.038	
	28	Conductivity	µS/cm	Quarterly	19200	9870	15000	25500	4	4	9870	17392.5	25500	
	28	Copper	mg/l	Quarterly	0.033	0.015	0.081	0.049	4	4	0.015	0.0445	0.081	
	28	Dissolved Oxygen	mg/l	Quarterly	1.1	8.4	6.3	5.7	4	4	1.1	5.375	8.4	
	28	Fluoride	mg/l	Quarterly	2.5	1.6	1.7	3.2	4	4	1.6	2.25	3.2	
	28	Lead	mg/l	Quarterly	0.101	0.005	0.011	0.016	4	4	0.005	0.03325	0.101	
	28	Magnesium	mg/l	Quarterly	194	168	206	317	4	4	168	221.25	317	
	28	Manganese	mg/l	Quarterly	1.29	1.3	0.967	0.603	4	4	0.603	1.04	1.3	
	28	Mercury	mg/l	Quarterly	<0.0001	<0.0001	<0.0001	0.0001	4	4	0.0001	0.0001	0.0001	
	28	Nickel	mg/l	Every 6 months		0.219		0.837	2	2	0.219	0.528	0.837	
	28	Nitrate	mg/l	Quarterly	0.07	0.03	14.4	24.5	4	4	0.03	9.75	24.5	
	28	Nitrite	mg/l	Quarterly	<0.01	<0.01	0.02	31	4	4	0.02	15.51	31	
	28	Nitrogen (ammonia)	mg/l	Quarterly	618	26	53.3	1420	4	4	26	529.325	1420	
	28	Nitrogen (Total)	mg/l	Quarterly	681	29.9	69.1	1680	4	4	29.9	615	1680	
	28	Organotin MBT	µg/L	Quarterly	0.041	<0.020	<0.02	0.02	4	4	0.02	0.0305	0.041	
	28	Organotin DBT	µg/L	Quarterly	<0.010	<0.010	<0.01	0.01	4	4	0.01	0.01	0.01	
	28	Organotin TBT	µg/L	Quarterly	<0.0020	<0.0020	<0.002	0.01	4	4	0.01	0.01	0.01	
	28	pH	pH Unit	Quarterly	8.46	7.39	7.75	8.77	4	4	7.39	8.0925	8.77	
	28	Phosphorus (total)	mg/l	Quarterly	2.62	0.21	0.16	0.98	4	4	0.16	0.9925	2.62	
28	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months		<0.0005		0.0018	2	2	0.0018	0.0018	0.0018		
28	Potassium	mg/l	Quarterly	1300	536	1080	1880	4	4	536	1199	1880		
28	Redox Potential	mV	Quarterly	17.5	143	200	33.9	4	4	17.5	98.6	200		
28	Selenium	mg/l	Yearly		<0.01			1	1	<0.01	<0.01	<0.01		
28	Silica	mg/l	Yearly		27.6			1	1	27.6	27.6	27.6		
28	Silver	mg/l	Yearly		<0.001			1	1	<0.001	<0.001	<0.001		
28	Sodium	mg/l	Quarterly	2040	1170	1820.000	3590	4	4	1170	2155	3590		
28	Sulfate	mg/l	Quarterly	958	655	1200.0	3030	4	4	655	1460.75	3030		
28	Tin	mg/l	Every 6 months		<0.001		0.009	2	2	0.009	0.009	0.009		
28	Total Dissolved Solids	mg/l	Quarterly	10200	5770	8890	15600	4	4	5770	10115	15600		

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	28	Total Organic Carbon	mg/l	Quarterly	240	46	67	311	4	4	46	166	311	
	28	Total Phenolics	mg/l	Quarterly	<1.00	<0.05	<0.10	0.83	4	4	0.83	0.83	0.83	
	28	Zinc	mg/l	Quarterly	0.221	0.084	0.162	0.276	4	4	0.084	0.18575	0.276	
										0				
A2L2	29	Adsorbable Organic Halogens	mg/l	Quarterly	3.5	1	0.75	5.1	4	4	0.75	2.5875	5.1	
	29	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	2170	1320	1500	5560	4	4	1320	2637.5	5560	
	29	Aluminium	mg/l	Quarterly	0.25	0.01	0.59	0.03	4	4	0.01	0.22	0.59	
	29	Arsenic	mg/l	Quarterly	0.635	0.415	0.084	0.557	4	4	0.084	0.42275	0.635	
	29	Barium	mg/l	Quarterly	0.22	0.125	0.513	0.1	4	4	0.1	0.2395	0.513	
	29	Benzene	mg/l	Every 6 months		<0.001		0.008	2	2	0.008	0.008	0.008	
	29	Bicarbonate	mg/l	Quarterly	2170	1320	1500	4600	4	4	1320	2397.5	4600	
	29	Biological oxygen Demand	mg/l	Quarterly	25	28	56	75	4	4	25	46	75	
	29	Cadmium	mg/l	Quarterly	0.0003	0.0004	0.0034	0.0051	4	4	0.0003	0.0023	0.0051	
	29	Calcium	mg/l	Quarterly	146	203	270	18	4	4	18	159.25	270	
	29	Chemical Oxygen Demand	mg/l	Yearly		408			1	1	408	408	408	
	29	Chloride	mg/l	Quarterly	3970	2230	6680	4820	4	4	2230	4425	6680	
	29	Chlorinated Hydrocarbons	mg/l	Every 6 months		<0.005		<0.005	2	2	<0.005	<0.005	<0.005	
	29	Chromium	mg/l	Quarterly	0.026	0.009	0.026	0.039	4	4	0.009	0.025	0.039	
	29	Conductivity	µS/cm	Quarterly	16300	11200	22800	27900	4	4	11200	19550	27900	
	29	Copper	mg/l	Quarterly	0.003	0.003	0.048	0.082	4	4	0.003	0.034	0.082	
	29	Dissolved Oxygen	mg/l	Quarterly	2.8	5.8	4.6	3.2	4	4	2.8	4.1	5.8	
	29	Fluoride	mg/l	Quarterly	2.4	2.1	3.2	4.6	4	4	2.1	3.075	4.6	
	29	Lead	mg/l	Quarterly	0.002	<0.001	0.012	0.042	4	4	0.002	0.018666667	0.042	
	29	Magnesium	mg/l	Quarterly	456	375	283	592	4	4	283	426.5	592	
	29	Manganese	mg/l	Quarterly	1.34	0.692	1.19	0.149	4	4	0.149	0.84275	1.34	
	29	Mercury	mg/l	Quarterly	<0.0001	<0.0001	<0.0001	0.0001	4	4	0.0001	0.0001	0.0001	
	29	Nickel	mg/l	Every 6 months		0.138		0.781	2	2	0.138	0.4595	0.781	
	29	Nitrate	mg/l	Quarterly	0.07	0.03	14.2	12.7	4	4	0.03	6.75	14.2	
	29	Nitrite	mg/l	Quarterly	<0.01	<0.01	0.05	28.2	4	4	0.05	14.125	28.2	
	29	Nitrogen (ammonia)	mg/l	Quarterly	286	174	120	1620	4	4	120	550	1620	
	29	Nitrogen (Total)	mg/l	Quarterly	356	155	140	1690	4	4	140	585.25	1690	
	29	pH	pH Unit	Quarterly	8.17	7.68	7.92	8.63	4	4	7.68	8.1	8.63	
	29	Phosphorus (total)	mg/l	Quarterly	1.92	1.29	2.28	3.16	4	4	1.29	2.1625	3.16	
	29	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months		0.0015		0.0005	2	2	0.0005	0.001	0.0015	
29	Potassium	mg/l	Quarterly	897	500	1280	1790	4	4	500	1116.75	1790		
29	Redox Potential	mV	Quarterly	1.8	146.000	185	37.5	4	4	1.8	92.575	185		
29	Selenium	mg/l	Yearly		0.01			1	1	0.01	0.01	0.01		
29	Silica	mg/l	Yearly		25.6			1	1	25.6	25.6	25.6		
29	Silver	mg/l	Yearly		<0.001			1	1	<0.001	<0.001	<0.001		
29	Sodium	mg/l	Quarterly	1860	1340	4240	2980	4	4	1340	2605	4240		
29	Sulfate	mg/l	Quarterly	1890	1620	944	4760	4	4	944	2303.5	4760		
29	Tin	mg/l	Every 6 months		0.019		0.023	2	2	0.019	0.021	0.023		
29	Total Dissolved Solids	mg/l	Quarterly	9850	6700	13700	18300	4	4	6700	12137.5	18300		
29	Total Organic Carbon	mg/l	Quarterly	153	113	235	371	4	4	113	218	371		
29	Total Phenolics	mg/l	Quarterly	<1.00	<0.05	<0.10	1.09	4	4	1.09	1.09	1.09		
29	Zinc	mg/l	Quarterly	0.015	0.018	0.123	0.289	4	4	0.015	0.11125	0.289		
A5L1	36	Adsorbable Organic Halogens	mg/l	Quarterly	NL	NL	1.3	NL	4	1	1.3	1.3	1.3	
	36	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	NL	NL	2730	NL	4	1	2730	2730	2730	
	36	Aluminium	mg/l	Quarterly	NL	NL	0.54	NL	4	1	0.54	0.54	0.54	
	36	Arsenic	mg/l	Quarterly	NL	NL	0.126	NL	4	1	0.126	0.126	0.126	
	36	Barium	mg/l	Quarterly	NL	NL	1.86	NL	4	1	1.86	1.86	1.86	
	36	Benzene	mg/l	Every 6 months	NL	NL		NL	2	0	0	0	0	
	36	Bicarbonate	mg/l	Quarterly	NL	NL	2730	NL	4	1	2730	2730	2730	
	36	Biological oxygen Demand	mg/l	Quarterly	NL	NL	54	NL	4	1	54	54	54	
	36	Cadmium	mg/l	Quarterly	NL	NL	<0.0010	NL	4	1	<0.0010	<0.0010	<0.0010	
	36	Calcium	mg/l	Quarterly	NL	NL	181	NL	4	1	181	181	181	
	36	Chemical Oxygen Demand	mg/l	Yearly	NL	NL		NL	1	0	0	0	0	
	36	Chloride	mg/l	Quarterly	NL	NL	11800	NL	4	1	11800	11800	11800	
	36	Chlorinated Hydrocarbons	mg/l	Every 6 months	NL	NL		NL	2	1	0	0	0	
	36	Chromium	mg/l	Quarterly	NL	NL	0.078	NL	4	1	0.078	0.078	0.078	
	36	Conductivity	µS/cm	Quarterly	NL	NL	39100	NL	4	1	39100	39100	39100	
	36	Copper	mg/l	Quarterly	NL	NL	<0.010	NL	4	1	<0.010	<0.010	<0.010	
	36	Dissolved Oxygen	mg/l	Quarterly	NL	NL	4.5	NL	4	1	4.5	4.5	4.5	
	36	Fluoride	mg/l	Quarterly	NL	NL	5	NL	4	1	5	5	5	
	36	Lead	mg/l	Quarterly	NL	NL	<0.010	NL	4	1	<0.010	<0.010	<0.010	
	36	Magnesium	mg/l	Quarterly	NL	NL	266	NL	4	1	266	266	266	
36	Manganese	mg/l	Quarterly	NL	NL	1.02	NL	4	1	1.02	1.02	1.02		
36	Mercury	mg/l	Quarterly	NL	NL	<0.0001	NL	4	1	<0.0001	<0.0001	<0.0001		
36	Nickel	mg/l	Every 6 months	NL	NL		NL	2	0	0	0	0		
36	Nitrate	mg/l	Quarterly	NL	NL	<0.01	NL	4	1	<0.01	<0.01	<0.01		
36	Nitrite	mg/l	Quarterly	NL	NL	<0.01	NL	4	1	<0.01	<0.01	<0.01		

Location Name	EPA Monitoring Point No.	Pollutant	Unit of measure	Frequency	12/03/2024	17/06/2024	28/08/2024	4/12/2024	No. of samples required by licence	No. of samples collected and analysed	Lowest Sample Value	Mean Sample Value	Highest Sample Value	Comments
	36	Nitrogen (ammonia)	mg/l	Quarterly	NL	NL	257	NL	4	1	257	257	257	
	36	Nitrogen (Total)	mg/l	Quarterly	NL	NL	267	NL	4	1	267	267	267	
	36	Organotin MBT	µg/L	Quarterly	NL	NL	0.02	NL	4	1	0.02	0.02	0.02	
	36	Organotin DBT	µg/L	Quarterly	NL	NL	<0.01	NL	4	1	<0.01	<0.01	<0.01	
	36	Organotin TBT	µg/L	Quarterly	NL	NL	<0.006	NL	4	1	<0.006	<0.006	<0.006	
	36	pH	pH Unit	Quarterly	NL	NL	8.04	NL	4	1	8.04	8.04	8.04	
	36	Phosphorus (total)	mg/l	Quarterly	NL	NL	5.58	NL	4	1	5.58	5.58	5.58	
	36	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months	NL	NL		NL	2	1	0	0	0	
	36	Potassium	mg/l	Quarterly	NL	NL	1260	NL	4	1	1260	1260	1260	
	36	Redox Potential	mV	Quarterly	NL	NL	166	NL	4	1	166	166	166	
	36	Selenium	mg/l	Yearly	NL	NL		NL	1	0	0	0	0	
	36	Silica	mg/l	Yearly	NL	NL		NL	1	0	0	0	0	
	36	Silver	mg/l	Yearly	NL	NL		NL	1	0	0	0	0	
	36	Sodium	mg/l	Quarterly	NL	NL	7810	NL	4	1	7810	7810	7810	
	36	Sulfate	mg/l	Quarterly	NL	NL	216	NL	4	1	216	216	216	
	36	Tin	mg/l	Every 6 months	NL	NL		NL	2	0	0	2	0	
	36	Total Dissolved Solids	mg/l	Quarterly	NL	NL	23900	NL	4	1	23900	23900	23900	
	36	Total Organic Carbon	mg/l	Quarterly	NL	NL	352	NL	4	1	352	352	352	
	36	Total Phenolics	mg/l	Quarterly	NL	NL	<0.10	NL	4	1	<0.10	<0.10	<0.10	
	36	Zinc	mg/l	Quarterly	NL	NL	<0.052	NL	4	1	<0.052	<0.052	<0.052	
	37	Adsorbable Organic Halogens	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Aluminium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Arsenic	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Barium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Benzene	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	37	Bicarbonate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Biological oxygen Demand	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Cadmium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Calcium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Chemical Oxygen Demand	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0	
	37	Chloride	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Chlorinated Hydrocarbons	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	37	Chromium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Conductivity	µS/cm	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Copper	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Dissolved Oxygen	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Fluoride	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Lead	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Magnesium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Manganese	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Mercury	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Nickel	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	37	Nitrate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Nitrite	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Nitrogen (ammonia)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Nitrogen (Total)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	pH	pH Unit	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Phosphorus (total)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	37	Potassium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Redox Potential	mV	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Selenium	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0	
	37	Silica	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0	
	37	Silver	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0	
	37	Sodium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Sulfate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Tin	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	37	Total Dissolved Solids	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Total Organic Carbon	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Total Phenolics	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	37	Zinc	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
A5L2														
	38	Adsorbable Organic Halogens	mg/l	Quarterly	2.4	1.3	1.1	4.5	4	4	1.1	2.325	4.5	
	38	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	1990	1320	1910	1750	4	4	1320	1742.5	1990	
	38	Aluminium	mg/l	Quarterly	0.03	0.02	0.03	<0.01	4	4	0.02	0.026666667	0.03	
	38	Arsenic	mg/l	Quarterly	0.095	0.175	0.035	0.033	4	4	0.033	0.0845	0.175	
	38	Barium	mg/l	Quarterly	0.415	0.222	0.521	0.418	4	4	0.222	0.394	0.521	
	38	Benzene	mg/l	Every 6 months		0.001		<0.001	2	2	0.001	0.001	0.001	
	38	Bicarbonate	mg/l	Quarterly	1990	1320	1910	1750	4	4	1320	1742.5	1990	
	38	Biological oxygen Demand	mg/l	Quarterly	46	22	66	21	4	4	21	38.75	66	

Location Name	EPA Monitoring Point No.	Pollutant	Unit of measure	Frequency	12/03/2024	17/06/2024	28/08/2024	4/12/2024	No. of samples required by licence	No. of samples collected and analysed	Lowest Sample Value	Mean Sample Value	Highest Sample Value	Comments
A4L1	38	Cadmium	mg/l	Quarterly	0.0002	0.0002	<0.0001	0.0009	4	4	0.0002	0.000433333	0.0009	
	38	Calcium	mg/l	Quarterly	200	213	141	90	4	4	90	161	213	
	38	Chemical Oxygen Demand	mg/l	Yearly		397			1	1	397	397	397	
	38	Chloride	mg/l	Quarterly	3690	2530	5290	4460	4	4	2530	3992.5	5290	
	38	Chlorinated Hydrocarbons	mg/l	Every 6 months		<0.005		<0.005	2	2	<0.005	<0.005	<0.005	
	38	Chromium	mg/l	Quarterly	0.076	0.012	0.066	0.069	4	4	0.012	0.05575	0.076	
	38	Conductivity	µS/cm	Quarterly	19900	12200	20300	18500	4	4	12200	17725	20300	
	38	Copper	mg/l	Quarterly	0.004	<0.001	0.003	0.025	4	4	0.003	0.010666667	0.025	
	38	Dissolved Oxygen	mg/l	Quarterly	3.6	3.9	3.7	7	4	4	3.6	4.55	7	
	38	Fluoride	mg/l	Quarterly	3.5	1.9	4.3	3.4	4	4	1.9	3.275	4.3	
	38	Lead	mg/l	Quarterly	0.004	<0.001	0.001	0.01	4	4	0.001	0.005	0.01	
	38	Magnesium	mg/l	Quarterly	159	344	115	136	4	4	115	188.5	344	
	38	Manganese	mg/l	Quarterly	1.04	0.726	0.749	0.713	4	4	0.713	0.807	1.04	
	38	Mercury	mg/l	Quarterly	<0.0001	<0.0001	<0.0001	<0.0001	4	4	<0.0001	<0.0001	<0.0001	
	38	Nickel	mg/l	Every 6 months		0.183		0.674	2	2	0.183	0.4285	0.674	
	38	Nitrate	mg/l	Quarterly	0.02	0.02	0.17	6.41	4	4	0.02	1.655	6.41	
	38	Nitrite	mg/l	Quarterly	0.03	0.01	0.31	0.040	4	4	0.01	0.0975	0.31	
	38	Nitrogen (ammonia)	mg/l	Quarterly	164	166	204	127	4	4	127	165.25	204	
	38	Nitrogen (Total)	mg/l	Quarterly	198	168	191	174	4	4	168	182.75	198	
	38	Organotin MBT	µg/L	Quarterly	<0.020	<0.020	<0.02	<0.02	4	4	<0.02	<0.02	<0.02	
	38	Organotin DBT	µg/L	Quarterly	<0.010	<0.010	<0.01	0.004	4	4	0.004	0.004	0.004	
	38	Organotin TBT	µg/L	Quarterly	<0.0030	<0.0020	<0.006	<0.01	4	4	<0.002	#DIV/0!	<0.01	
	38	pH	pH Unit	Quarterly	7.86	7.73	7.96	7.95	4	4	7.73	7.875	7.96	
	38	Phosphorus (total)	mg/l	Quarterly	2.48	1.49	2.31	0.93	4	4	0.93	1.8025	2.48	
	38	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months		0.0015		0.0005	2	2	0.0005	0.001	0.0015	
	38	Potassium	mg/l	Quarterly	1780	593	1910	1790	4	4	593	1518.25	1910	
	38	Redox Potential	mV	Quarterly	44.2	141	132	101	4	4	44.2	104.55	141	
	38	Selenium	mg/l	Yearly		<0.01			1	1	<0.01	<0.01	<0.01	
	38	Silica	mg/l	Yearly		29.3			1	1	29.3	29.3	29.3	
	38	Silver	mg/l	Yearly		<0.001			1	1	<0.001	<0.001	<0.001	
38	Sodium	mg/l	Quarterly	2470	1540	2740	2450.000	4	4	1540	2300	2740		
38	Sulfate	mg/l	Quarterly	1940	1440	853	1270.000	4	4	853	1375.75	1940		
38	Tin	mg/l	Every 6 months		0.012		0.004	2	2	0.004	0.008	0.012		
38	Total Dissolved Solids	mg/l	Quarterly	11700	7200	12200	11900	4	4	7200	10750	12200		
38	Total Organic Carbon	mg/l	Quarterly	142	104	154	140	4	4	104	135	154		
38	Total Phenolics	mg/l	Quarterly	<1.00	<0.05	<0.10	0.06	4	4	0.06	0.06	0.06		
38	Zinc	mg/l	Quarterly	0.043	0.021	0.015	0.083	4	4	0.015	0.0405	0.083		
A4L2	39	Adsorbable Organic Halogens	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Aluminium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Arsenic	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Barium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Benzene	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	39	Bicarbonate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Biological oxygen Demand	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Cadmium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Calcium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Chemical Oxygen Demand	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0	
	39	Chloride	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Chlorinated Hydrocarbons	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	39	Chromium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Conductivity	µS/cm	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Copper	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Dissolved Oxygen	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Fluoride	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Lead	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Magnesium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Manganese	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Mercury	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Nickel	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	39	Nitrate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Nitrite	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Nitrogen (ammonia)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Nitrogen (Total)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	pH	pH Unit	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Phosphorus (total)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
39	Potassium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
39	Redox Potential	mV	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
39	Selenium	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0		
39	Silica	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0		

Location Name	EPA Monitoring Point No.	Pollutant	Unit of measure	Frequency	12/03/2024	17/06/2024	28/08/2024	4/12/2024	No. of samples required by licence	No. of samples collected and analysed	Lowest Sample Value	Mean Sample Value	Highest Sample Value	Comments
	39	Silver	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0	
	39	Sodium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Sulfate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Tin	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	39	Total Dissolved Solids	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Total Organic Carbon	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Total Phenolics	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	39	Zinc	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
L11	40	Adsorbable Organic Halogens	mg/l	Quarterly	1.8	0.88	0.5	0.65	4	4	0.5	0.9575	1.8	
	40	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	4070	4480	5440	5370	4	4	4070	4840	5440	
	40	Aluminium	mg/l	Quarterly	0.22	0.08	0.17	0.36	4	4	0.08	0.2075	0.36	
	40	Arsenic	mg/l	Quarterly	0.036	0.061	0.068	0.191	4	4	0.036	0.089	0.191	
	40	Barium	mg/l	Quarterly	0.854	0.326	0.682	0.537	4	4	0.326	0.59975	0.854	
	40	Benzene	mg/l	Every 6 months		0.134		0.041	2	2	0.041	0.0875	0.134	
	40	Bicarbonate	mg/l	Quarterly	4070	4480	5440	5370	4	4	4070	4840	5440	
	40	Biological oxygen Demand	mg/l	Quarterly	27	226	148	1010	4	4	27	352.75	1010	
	40	Cadmium	mg/l	Quarterly	0.0001	<0.0001	<0.0001	<0.0001	4	4	0.0001	0.0001	0.0001	
	40	Calcium	mg/l	Quarterly	59	9	22	13	4	4	9	25.75	59	
	40	Chemical Oxygen Demand	mg/l	Yearly		4910			1	1	4910	4910	4910	
	40	Chloride	mg/l	Quarterly	2460	976	1590	758	4	4	758	1446	2460	
	40	Chlorinated Hydrocarbons	mg/l	Every 6 months		<0.005		<0.005	2	2	<0.005	<0.005	<0.005	
	40	Chromium	mg/l	Quarterly	0.173	0.052	0.106	0.077	4	4	0.052	0.102	0.173	
	40	Conductivity	µS/cm	Quarterly	13700	11800	13500	11600	4	4	11600	12650	13700	
	40	Copper	mg/l	Quarterly	0.006	0.004	0.004	0.01	4	4	0.004	0.006	0.01	
	40	Dissolved Oxygen	mg/l	Quarterly	2.7	3.8	3.1	2.7	4	4	2.7	3.075	3.8	
	40	Fluoride	mg/l	Quarterly	0.9	0.3	0.8	0.4	4	4	0.3	0.6	0.9	
	40	Lead	mg/l	Quarterly	0.002	<0.001	<0.001	0.002	4	4	0.002	0.002	0.002	
	40	Magnesium	mg/l	Quarterly	136	31	67	41	4	4	31	68.75	136	
	40	Manganese	mg/l	Quarterly	0.267	0.086	0.145	0.106	4	4	0.086	0.151	0.267	
	40	Mercury	mg/l	Quarterly	0.0002	<0.0001	<0.0001	<0.0001	4	4	0.0002	0.0002	0.0002	
	40	Nickel	mg/l	Every 6 months		0.038		0.048	2	2	0.038	0.043	0.048	
	40	Nitrate	mg/l	Quarterly	<0.10	0.02	6.22	<0.10	4	4	0.02	3.12	6.22	
	40	Nitrite	mg/l	Quarterly	<0.01	<0.01	<0.10	<0.10	4	4	<0.01	#DIV/0!	<0.10	
	40	Nitrogen (ammonia)	mg/l	Quarterly	522	1380	1080	1260	4	4	522	1060.5	1380	
	40	Nitrogen (Total)	mg/l	Quarterly	570	2020	1320	1400	4	4	570	1327.5	2020	
	40	pH	pH Unit	Quarterly	7.92	7.48	8.04	7.88	4	4	7.48	7.83	8.04	
	40	Phosphorus (total)	mg/l	Quarterly	4.21	1.54	3.27	3.24	4	4	1.54	3.065	4.21	
	40	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months		<0.0238		0.0015	2	2	0.0015	0.0015	0.0015	
	40	Potassium	mg/l	Quarterly	161	48	157	61	4	4	48	106.75	161	
	40	Redox Potential	mV	Quarterly	48.9	140	143	-159	4	4	-159	43.225	143	
	40	Selenium	mg/l	Yearly		<0.01			1	1	<0.01	<0.01	<0.01	
	40	Silica	mg/l	Yearly		281			1	1	281	281	281	
40	Silver	mg/l	Yearly		<0.001			1	1	<0.001	<0.001	<0.001		
40	Sodium	mg/l	Quarterly	2190	443	1510	644	4	4	443	1196.75	2190		
40	Sulfate	mg/l	Quarterly	103	<5	<10	<100	4	4	103	103	103		
40	Tin	mg/l	Every 6 months		0.009		0.012	2	2	0.009	0.0105	0.012		
40	Total Dissolved Solids	mg/l	Quarterly	6510	5980	4270	3460	4	4	3460	5055	6510		
40	Total Organic Carbon	mg/l	Quarterly	237	137	541	771	4	4	137	421.5	771		
40	Total Phenolics	mg/l	Quarterly	<1.00	8.23	0.58	5.23	4	4	0.58	4.68	8.23		
40	Zinc	mg/l	Quarterly	0.024	0.014	0.016	0.036	4	4	0.014	0.0225	0.036		
									0					
	41	Adsorbable Organic Halogens	mg/l	Quarterly	6.3	6.4	5.6	19	4	4	5.6	9.325	19	
	41	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	12600	11100	32500	16500	4	4	11100	18175	32500	
	41	Aluminium	mg/l	Quarterly	0.18	0.02	<0.10	0.05	4	4	0.02	0.083333333	0.18	
	41	Arsenic	mg/l	Quarterly	0.129	0.074	0.199	0.218	4	4	0.074	0.155	0.218	
	41	Barium	mg/l	Quarterly	0.03	0.012	0.041	0.045	4	4	0.012	0.032	0.045	
	41	Benzene	mg/l	Every 6 months		<0.001		<0.001	2	2	<0.001	<0.001	<0.001	
	41	Bicarbonate	mg/l	Quarterly	5000	2480	10500	2500	4	4	2480	5120	10500	
	41	Biological oxygen Demand	mg/l	Quarterly	330	348	4240	264	4	4	264	1295.5	4240	
	41	Cadmium	mg/l	Quarterly	0.0011	0.0016	<0.0010	0.0038	4	4	0.0011	0.002166667	0.0038	
	41	Calcium	mg/l	Quarterly	4	10	5	11	4	4	4	7.5	11	
	41	Chemical Oxygen Demand	mg/l	Yearly		2770			1	1	2770	2770	2770	
	41	Chloride	mg/l	Quarterly	5260	5100	13100	7810	4	4	5100	7817.5	13100	
	41	Chlorinated Hydrocarbons	mg/l	Every 6 months		<0.005		<0.005	2	2	<0.005	<0.005	<0.005	
	41	Chromium	mg/l	Quarterly	0.097	0.053	0.18	0.079	4	4	0.053	0.10225	0.18	
	41	Conductivity	µS/cm	Quarterly	41500	32100	73000	48900	4	4	32100	48875	73000	
	41	Copper	mg/l	Quarterly	0.046	0.072	<0.010	0.113	4	4	0.046	0.077	0.113	
	41	Dissolved Oxygen	mg/l	Quarterly	0.7	0.6	4	1.5	4	4	0.6	1.7	4	
	41	Fluoride	mg/l	Quarterly	10.7	7.5	46.8	12.5	4	4	7.5	19.375	46.8	
41	Lead	mg/l	Quarterly	0.015	0.015	0.012	0.027	4	4	0.012	0.01725	0.027		
41	Magnesium	mg/l	Quarterly	108	180	46	165	4	4	46	124.75	180		

Location Name	EPA Monitoring Point No.	Pollutant	Unit of measure	Frequency	12/03/2024	17/06/2024	28/08/2024	4/12/2024	No. of samples required by licence	No. of samples collected and analysed	Lowest Sample Value	Mean Sample Value	Highest Sample Value	Comments
A3L1	41	Manganese	mg/l	Quarterly	0.02	0.069	0.046	0.089	4	4	0.02	0.056	0.089	
	41	Mercury	mg/l	Quarterly	0.0012	0.0008	<0.0010	0.0003	4	4	0.0003	0.000766667	0.0012	
	41	Nickel	mg/l	Every 6 months		1.58		1.72	2	2	1.58	1.65	1.72	
	41	Nitrate	mg/l	Quarterly	<0.10	0.26	0.22	33	4	4	0.22	11.16	33	
	41	Nitrite	mg/l	Quarterly	<0.01	<0.10	<0.10	159	4	4	159	159	159	
	41	Nitrogen (ammonia)	mg/l	Quarterly	4340	4670	11800	4340	4	4	4340	6287.5	11800	
	41	Nitrogen (Total)	mg/l	Quarterly	4580	8290	10600	5100	4	4	4580	7142.5	10600	
	41	Organotin MBT	µg/L	Quarterly	0.031	0.032	<0.05	0.07	4	4	0.031	0.044333333	0.07	
	41	Organotin DBT	µg/L	Quarterly	0.01	0.012	<0.05	0.06	4	4	0.01	0.027333333	0.06	
	41	Organotin TBT	µg/L	Quarterly	0.042	0.013	<0.2	0.039	4	4	0.013	0.031333333	0.042	
	41	pH	pH Unit	Quarterly	9.19	9.41	9.92	9.42	4	4	9.19	9.485	9.92	
	41	Phosphorus (total)	mg/l	Quarterly	17.6	4.97	9.74	5.94	4	4	4.97	9.5625	17.6	
	41	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months		<0.0005		0.0178	2	2	0.0178	0.0178	0.0178	
	41	Potassium	mg/l	Quarterly	2780	2630	5740	4160	4	4	2630	3827.5	5740	
	41	Redox Potential	mV	Quarterly	-116	0.7	30.2	-15.4	4	4	-116	-25.125	30.2	
	41	Selenium	mg/l	Yearly		0.11			1	1	0.11	0.11	0.11	
	41	Silica	mg/l	Yearly		85.7			1	1	85.7	85.7	85.7	
	41	Silver	mg/l	Yearly		<0.001			1	1	<0.001	<0.001	<0.001	
	41	Sodium	mg/l	Quarterly	3650	3230	8010	4360	4	4	3230	4812.5	8010	
	41	Sulfate	mg/l	Quarterly	4630	3960	7670	6560	4	4	3960	5705	7670	
41	Tin	mg/l	Every 6 months		0.012		0.012	2	2	0.012	0.012	0.012		
41	Total Dissolved Solids	mg/l	Quarterly	19300	15300	38600	28700	4	4	15300	25475	38600		
41	Total Organic Carbon	mg/l	Quarterly	147	848	3670	771	4	4	147	1359	3670		
41	Total Phenolics	mg/l	Quarterly	<1.00	4.62	16.6	0.39	4	4	0.39	7.203333333	16.6		
41	Zinc	mg/l	Quarterly	0.245	0.813	0.823	0.946	4	4	0.245	0.70675	0.946		
L9	43	Adsorbable Organic Halogens	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Aluminium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Arsenic	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Barium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Benzene	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	43	Bicarbonate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Biological oxygen Demand	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Cadmium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Calcium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Chemical Oxygen Demand	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0	
	43	Chloride	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Chlorinated Hydrocarbons	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	43	Chromium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Conductivity	µS/cm	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Copper	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Dissolved Oxygen	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Fluoride	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Lead	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Magnesium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Manganese	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Mercury	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Nickel	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	43	Nitrate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Nitrite	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Nitrogen (ammonia)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Nitrogen (Total)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	pH	pH Unit	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Phosphorus (total)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	43	Potassium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Redox Potential	mV	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	43	Selenium	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0	
43	Silica	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0		
43	Silver	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0		
43	Sodium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
43	Sulfate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
43	Tin	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0		
43	Total Dissolved Solids	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
43	Total Organic Carbon	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
43	Total Phenolics	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
43	Zinc	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
	44	Adsorbable Organic Halogens	mg/l	Quarterly	2.6	3.8	3.4	8.4	4	4	2.6	4.55	8.4	
	44	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	12500	16200	17500	17800	4	4	12500	16000	17800	
	44	Aluminium	mg/l	Quarterly	1.25	1.84	2.48	4.01	4	4	1.25	2.395	4.01	

Monitoring point L9 is no longer available.

Location Name	EPA Monitoring Point No.	Pollutant	Unit of measure	Frequency	12/03/2024	17/06/2024	28/08/2024	4/12/2024	No. of samples required by licence	No. of samples collected and analysed	Lowest Sample Value	Mean Sample Value	Highest Sample Value	Comments
L12	44	Arsenic	mg/l	Quarterly	0.33	0.412	0.559	0.662	4	4	0.33	0.49075	0.662	
	44	Barium	mg/l	Quarterly	0.986	1.46	1.68	2.11	4	4	0.986	1.559	2.11	
	44	Benzene	mg/l	Every 6 months		0.011		0.01	2	2	0.01	0.0105	0.011	
	44	Bicarbonate	mg/l	Quarterly	12500	16200	17500	17800	4	4	12500	16000	17800	
	44	Biological oxygen Demand	mg/l	Quarterly	79	134	132	187	4	4	79	133	187	
	44	Cadmium	mg/l	Quarterly	0.0004	0.0002	<0.0010	<0.0010	4	4	0.0002	0.0003	0.0004	
	44	Calcium	mg/l	Quarterly	61	37	31	33	4	4	31	40.5	61	
	44	Chemical Oxygen Demand	mg/l	Yearly		5930			1	1	5930	5930	5930	
	44	Chloride	mg/l	Quarterly	3660	4200	4320	4420	4	4	3660	4150	4420	
	44	Chlorinated Hydrocarbons	mg/l	Every 6 months		<0.005		<0.005	2	2	<0.005	<0.005	<0.005	
	44	Chromium	mg/l	Quarterly	1.02	1.25	1.55	1.69	4	4	1.02	1.3775	1.69	
	44	Conductivity	µS/cm	Quarterly	27800	34700	33800	34100	4	4	27800	32600	34700	
	44	Copper	mg/l	Quarterly	0.009	0.01	<0.010	<0.010	4	4	0.009	0.0095	0.01	
	44	Dissolved Oxygen	mg/l	Quarterly	0.2	<0.1	<0.1	0.2	4	4	0.2	0.2	0.2	
	44	Fluoride	mg/l	Quarterly	2.2	3.3	3.5	3.1	4	4	2.2	3.025	3.5	
	44	Lead	mg/l	Quarterly	0.005	0.007	<0.010	0.012	4	4	0.005	0.008	0.012	
	44	Magnesium	mg/l	Quarterly	245	222	212	188	4	4	188	216.75	245	
	44	Manganese	mg/l	Quarterly	0.306	0.275	0.386	0.412	4	4	0.275	0.34475	0.412	
	44	Mercury	mg/l	Quarterly	<0.0005	<0.0001	<0.0001	<0.0001	4	4	<0.0001	<0.0001	<0.0001	
	44	Nickel	mg/l	Every 6 months		0.371		0.429	2	2	0.371	0.4	0.429	
	44	Nitrate	mg/l	Quarterly	<0.10	0.29	0.23	<1.00	4	4	0.23	0.26	0.29	
	44	Nitrite	mg/l	Quarterly	<0.01	<0.20	<0.10	<1.00	4	4	<0.01	#DIV/0!	<1.00	
	44	Nitrogen (ammonia)	mg/l	Quarterly	1270	985	1200	1560	4	4	985	1253.75	1560	
	44	Nitrogen (Total)	mg/l	Quarterly	1420	1340	1400	2000	4	4	1340	1540	2000	
	44	pH	pH Unit	Quarterly	8.07	8.02	8.06	8.04	4	4	8.02	8.0475	8.07	
	44	Phosphorus (total)	mg/l	Quarterly	24.3	25	37.3	36	4	4	24.3	30.65	37.3	
	44	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months		0.0016		0.0042	2	2	0.0016	0.0029	0.0042	
	44	Potassium	mg/l	Quarterly	440	470	469	530	4	4	440	477.25	530	
	44	Redox Potential	mV	Quarterly	46.6	41.4	-172	-272	4	4	-272	-89	46.6	
	44	Selenium	mg/l	Yearly		<0.01			1	1	<0.01	<0.01	<0.01	
	44	Silica	mg/l	Yearly		18.5			1	1	18.5	18.5	18.5	
	44	Silver	mg/l	Yearly		<0.001			1	1	<0.001	<0.001	<0.001	
	44	Sodium	mg/l	Quarterly	6140	7400	8520	7320	4	4	6140	7345	8520	
44	Sulfate	mg/l	Quarterly	<100	116	<10	<100	4	4	116	116	116		
44	Tin	mg/l	Every 6 months		0.201		0.11	2	2	0.11	0.1555	0.201		
44	Total Dissolved Solids	mg/l	Quarterly	5930	22300	22900	29100	4	4	5930	20057.5	29100		
44	Total Organic Carbon	mg/l	Quarterly	20	1770	4030	2260	4	4	20	2020	4030		
44	Total Phenolics	mg/l	Quarterly	<1.00	0.35	0.61	<0.20	4	4	0.35	0.48	0.61		
44	Zinc	mg/l	Quarterly	0.101	0.111	0.137	0.176	4	4	0.101	0.13125	0.176		
A5B11	52	Adsorbable Organic Halogens	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Aluminium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Arsenic	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Barium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Benzene	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	52	Bicarbonate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Biological oxygen Demand	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Cadmium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Calcium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Chemical Oxygen Demand	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0	
	52	Chloride	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Chlorinated Hydrocarbons	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	52	Chromium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Conductivity	µS/cm	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Copper	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Dissolved Oxygen	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Fluoride	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Lead	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Magnesium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Manganese	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Mercury	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Nickel	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	52	Nitrate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Nitrite	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Nitrogen (ammonia)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Nitrogen (Total)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Organotin MBT	µg/L	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Organotin DBT	µg/L	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Organotin TBT	µg/L	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	pH	pH Unit	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Phosphorus (total)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	

Location Name	EPA Monitoring Point No.	Pollutant	Unit of measure	Frequency	12/03/2024	17/06/2024	28/08/2024	4/12/2024	No. of samples required by licence	No. of samples collected and analysed	Lowest Sample Value	Mean Sample Value	Highest Sample Value	Comments
	52	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	52	Potassium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Redox Potential	mV	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Selenium	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0	
	52	Silica	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0	
	52	Silver	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0	
	52	Sodium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Sulfate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Tin	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	52	Total Dissolved Solids	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Total Organic Carbon	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	52	Total Phenolics	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
52	Zinc	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
A5BL2	53	Adsorbable Organic Halogens	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Aluminium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Arsenic	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Barium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Benzene	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	53	Bicarbonate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Biological oxygen Demand	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Cadmium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Calcium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Chemical Oxygen Demand	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0	
	53	Chloride	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Chlorinated Hydrocarbons	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	53	Chromium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Conductivity	µS/cm	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Copper	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Dissolved Oxygen	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Fluoride	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Lead	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Magnesium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Manganese	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Mercury	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Nickel	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	53	Nitrate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Nitrite	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Nitrogen (ammonia)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Nitrogen (Total)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	pH	pH Unit	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Phosphorus (total)	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0	
	53	Potassium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
	53	Redox Potential	mV	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0	
53	Selenium	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0		
53	Silica	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0		
53	Silver	mg/l	Yearly	NL	NL	NL	NL	1	0	0	#DIV/0!	0		
53	Sodium	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
53	Sulfate	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
53	Tin	mg/l	Every 6 months	NL	NL	NL	NL	2	0	0	#DIV/0!	0		
53	Total Dissolved Solids	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
53	Total Organic Carbon	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
53	Total Phenolics	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
53	Zinc	mg/l	Quarterly	NL	NL	NL	NL	4	0	0	#DIV/0!	0		
	55	Adsorbable Organic Halogens	mg/l	Quarterly	0.63	1.3	1.2	2.900	4	4	0.63	1.5075	2.9	
	55	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	3720	6450	5440	8650	4	4	3720	6065	8650	
	55	Aluminium	mg/l	Quarterly	0.42	0.46	0.7	0.87	4	4	0.42	0.6125	0.87	
	55	Arsenic	mg/l	Quarterly	0.034	0.051	0.073	0.146	4	4	0.034	0.076	0.146	
	55	Barium	mg/l	Quarterly	0.428	0.884	1.1	1.49	4	4	0.428	0.9755	1.49	
	55	Benzene	mg/l	Every 6 months		0.021		0.018	2	2	0.018	0.0195	0.021	
	55	Bicarbonate	mg/l	Quarterly	3720	6450	5440	8650	4	4	3720	6065	8650	
	55	Biological oxygen Demand	mg/l	Quarterly	48	62	64	87	4	4	48	65.25	87	
	55	Cadmium	mg/l	Quarterly	<0.0001	<0.0001	<0.0001	0.000	4	4	0.0002	0.0002	0.0002	
	55	Calcium	mg/l	Quarterly	159	62	224	93	4	4	62	134.5	224	
	55	Chemical Oxygen Demand	mg/l	Yearly		2300			1	1	2300	2300	2300	
	55	Chloride	mg/l	Quarterly	1370	3700	2310	4050	4	4	1370	2857.5	4050	
	55	Chlorinated Hydrocarbons	mg/l	Every 6 months		<0.005		<0.005	2	2	<0.005	<0.005	<0.005	
	55	Chromium	mg/l	Quarterly	0.226	0.42	0.507	0.698	4	4	0.226	0.46275	0.698	
55	Conductivity	µS/cm	Quarterly	10100	20800	15400	22500	4	4	10100	17200	22500		

Location Name	EPA Monitoring Point No.	Pollutant	Unit of measure	Frequency	12/03/2024	17/06/2024	28/08/2024	4/12/2024	No. of samples required by licence	No. of samples collected and analysed	Lowest Sample Value	Mean Sample Value	Highest Sample Value	Comments
L13	55	Copper	mg/l	Quarterly	0.009	0.004	0.006	0.008	4	4	0.004	0.00675	0.009	
	55	Dissolved Oxygen	mg/l	Quarterly	4	4.6	2.3	4	4	4	2.3	3.725	4.6	
	55	Fluoride	mg/l	Quarterly	0.6	1.3	0.8	1.4	4	4	0.6	1.025	1.4	
	55	Lead	mg/l	Quarterly	0.001	0.002	0.004	0.004	4	4	0.001	0.00275	0.004	
	55	Magnesium	mg/l	Quarterly	95	207	223	250	4	4	95	193.75	250	
	55	Manganese	mg/l	Quarterly	0.744	0.504	0.572	0.651	4	4	0.504	0.61775	0.744	
	55	Mercury	mg/l	Quarterly	<0.0001	<0.0001	<0.0001	<0.0001	4	4	<0.0001	<0.0001	<0.0001	
	55	Nickel	mg/l	Every 6 months		0.2		0.272	2	2	0.2	0.236	0.272	
	55	Nitrate	mg/l	Quarterly	<0.10	0.21	<0.10	<1.00	4	4	0.21	0.21	0.21	
	55	Nitrite	mg/l	Quarterly	<0.01	<0.10	<0.10	<1.00	4	4	<0.01	#DIV/0!	<1	
	55	Nitrogen (ammonia)	mg/l	Quarterly	337	341	552	510	4	4	337	435	552	
	55	Nitrogen (Total)	mg/l	Quarterly	434	489	637	642	4	4	434	550.5	642	
	55	pH	pH Unit	Quarterly	7.92	7.73	8.03	7.67	4	4	7.67	7.8375	8.03	
	55	Phosphorus (total)	mg/l	Quarterly	4.88	6.62	9.34	11.8	4	4	4.88	8.16	11.8	
	55	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months		0.0061		0.0106	2	2	0.0061	0.00835	0.0106	
	55	Potassium	mg/l	Quarterly	197	194	343	320	4	4	194	263.5	343	
	55	Redox Potential	mV	Quarterly	50.8	72.2	103	44.1	4	4	44.1	67.525	103	
	55	Selenium	mg/l	Yearly	<0.01				1	1	<0.01	<0.01	<0.01	
	55	Silica	mg/l	Yearly		1.2			1	1	1.2	1.2	1.2	
	55	Silver	mg/l	Yearly		<0.001			1	1	<0.001	<0.001	<0.001	
55	Sodium	mg/l	Quarterly	1450	2800	3000	4580	4	4	1450	2957.5	4580		
55	Sulfate	mg/l	Quarterly	<10	<10	<10	174.000	4	4	174	174	174		
55	Tin	mg/l	Every 6 months		0.113		0.21	2	2	0.113	0.1615	0.21		
55	Total Dissolved Solids	mg/l	Quarterly	5820	12300	7240	17000	4	4	5820	10590	17000		
55	Total Organic Carbon	mg/l	Quarterly	309	430	355	824	4	4	309	479.5	824		
55	Total Phenolics	mg/l	Quarterly	<1.00	0.15	<0.20	<0.10	4	4	0.15	0.15	0.15		
55	Zinc	mg/l	Quarterly	0.057	0.03	0.046	0.055	4	4	0.03	0.047	0.057		
F4	62	Adsorbable Organic Halogens	mg/l	Quarterly	1.2	0.83	1.3	1.2	4	4	0.83	1.1325	1.3	
	62	Alkalinity (as calcium Carbonate)	mg/l	Quarterly	3780	4770	4560	5020	4	4	3780	4532.5	5020	
	62	Aluminium	mg/l	Quarterly	0.43	0.47	0.04	0.76	4	4	0.04	0.425	0.76	
	62	Arsenic	mg/l	Quarterly	0.042	0.047	<0.001	0.064	4	4	0.042	0.051	0.064	
	62	Barium	mg/l	Quarterly	0.464	0.543	<0.001	0.904	4	4	0.464	0.637	0.904	
	62	Benzene	mg/l	Every 6 months		0.006		0.006	2	2	0.006	0.006	0.006	
	62	Bicarbonate	mg/l	Quarterly	3780	4770	4560	5020	4	4	3780	4532.5	5020	
	62	Biological oxygen Demand	mg/l	Quarterly	43	47	45	63	4	4	43	49.5	63	
	62	Cadmium	mg/l	Quarterly	<0.0001	<0.0001	<0.0001	0.0001	4	4	0.0001	0.0001	0.0001	
	62	Calcium	mg/l	Quarterly	152	228	157	192	4	4	152	182.25	228	
	62	Chemical Oxygen Demand	mg/l	Yearly		1310			1	1	1310	1310	1310	
	62	Chloride	mg/l	Quarterly	1590	1500	1990	2390	4	4	1500	1867.5	2390	
	62	Chlorinated Hydrocarbons	mg/l	Every 6 months		<0.005		<0.005	2	2	<0.005	<0.005	<0.005	
	62	Chromium	mg/l	Quarterly	0.233	0.235	<0.001	0.399	4	4	0.233	0.289	0.399	
	62	Conductivity	µS/cm	Quarterly	11000	13200	13000	13900	4	4	11000	12775	13900	
	62	Copper	mg/l	Quarterly	0.002	0.004	<0.001	0.005	4	4	0.002	0.003666667	0.005	
	62	Dissolved Oxygen	mg/l	Quarterly	3.1	6	3.1	5.4	4	4	3.1	4.4	6	
	62	Fluoride	mg/l	Quarterly	0.7	0.7	0.7	0.8	4	4	0.7	0.725	0.8	
	62	Lead	mg/l	Quarterly	<0.001	0.001	<0.001	0.003	4	4	0.001	0.002	0.003	
	62	Magnesium	mg/l	Quarterly	109	169	141	174	4	4	109	148.25	174	
	62	Manganese	mg/l	Quarterly	0.715	0.623	<0.001	0.918	4	4	0.623	0.752	0.918	
	62	Mercury	mg/l	Quarterly	<0.0001	<0.0001	<0.0001	<0.0001	4	4	<0.0001	<0.0001	<0.0001	
	62	Nickel	mg/l	Every 6 months		0.113		0.161	2	2	0.113	0.137	0.161	
	62	Nitrate	mg/l	Quarterly	<0.10	0.32	<0.10	<1.00	4	4	0.32	0.32	0.32	
	62	Nitrite	mg/l	Quarterly	<0.01	<0.10	<0.10	<1.00	4	4	<0.01	#DIV/0!	<1.0	
	62	Nitrogen (ammonia)	mg/l	Quarterly	332	422	512	541	4	4	332	451.75	541	
	62	Nitrogen (Total)	mg/l	Quarterly	484	549	514	663	4	4	484	552.5	663	
	62	pH	pH Unit	Quarterly	7.94	7.62	8.03	7.69	4	4	7.62	7.82	8.03	
	62	Phosphorus (total)	mg/l	Quarterly	4.25	4.64	3.11	6.12	4	4	3.11	4.53	6.12	
	62	Polycyclic aromatic hydrocarbons	mg/l	Every 6 months		0.0137		0.0101	2	2	0.0101	0.0119	0.0137	
	62	Potassium	mg/l	Quarterly	214	293	234	266	4	4	214	251.75	293	
	62	Redox Potential	mV	Quarterly	56	82.6	116	51.9	4	4	51.9	76.625	116	
	62	Selenium	mg/l	Yearly		<0.01			1	1	<0.01	<0.01	<0.01	
62	Silica	mg/l	Yearly		42.5			1	1	42.5	42.5	42.5		
62	Silver	mg/l	Yearly		<0.001			1	1	<0.001	<0.001	<0.001		
62	Sodium	mg/l	Quarterly	1860	2050	1820	2140	4	4	1820	1967.5	2140		
62	Sulfate	mg/l	Quarterly	<10	<10	<10	<100	4	4	<10	#DIV/0!	<100		
62	Tin	mg/l	Every 6 months		0.085		0.187	2	2	0.085	0.136	0.187		
62	Total Dissolved Solids	mg/l	Quarterly	14600	6470	6510	8680	4	4	6470	9065	14600		
62	Total Organic Carbon	mg/l	Quarterly	336	62	421	571	4	4	62	347.5	571		
62	Total Phenolics	mg/l	Quarterly	<1.00	0.1	<0.20	<0.10	4	4	0.1	0.1	0.1		
62	Zinc	mg/l	Quarterly	0.044	0.056	<0.005	0.052	4	4	0.044	0.050666667	0.056		

Comments:

Location Name	EPA Monitoring Point No.	Pollutant	Unit of measure	Frequency	12/03/2024	17/06/2024	28/08/2024	4/12/2024	No. of samples required by licence	No. of samples collected and analysed	Lowest Sample Value	Mean Sample Value	Highest Sample Value	Comments
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"NL" - No leachate available for sampling

"-" Monitoring data not available yet, monitoring yet to be conducted.