

Pollutant Monitoring Results - Groundwater



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	17/03/2023	13/06/2023	14/09/2023	17/01/2024*	No. of samples required by licence	No. of samples collected and analysed	Lowest Sample Value	Mean Sample Value	Highest Sample Value	Comments	
G1a	16	Alkalinity (as calcium carbonate)	mg/L	6 Monthly	1100		1100		2	2	1100	1100	1100		
	16	Aluminium	mg/L	Annually			20		1	1	20	20	20		
	16	Arsenic	mg/L	Annually			<1		1	1	0	#DIV/0!	0		
	16	Barium	mg/L	Annually			36		1	1	36	36	36		
	16	Benzene	mg/L	Annually			<1		1	1	0	#DIV/0!	0		
	16	Cadmium	mg/L	Annually			0.2		1	1	0	0	0		
	16	Calcium	mg/L	6 Monthly	78		65		2	2	65	72	78		
	16	Chloride	mg/L	6 Monthly	2300		2600		2	2	2300	2450	2600		
	16	Chromium	mg/L	Annually			<1		1	1	0	#DIV/0!	0		
	16	Conductivity	µS/cm	6 Monthly	2185		8978		2	2	2185	5582	8978		
	16	Copper	mg/L	Annually			16		1	1	16	16	16		
	16	Dissolved Oxygen	mg/L	6 Monthly	0.66		2.28		2	2	1	1	2		
	16	Fluoride	mg/L	6 Monthly	0.4		0.4		2	2	0	0	0		
	16	Iron	mg/L	Annually			390		1	1	390	390	390		
	16	Lead	mg/L	Annually			<1		1	1	0	#DIV/0!	0		
	16	Magnesium	mg/L	6 Monthly	250		200		2	2	200	225	250		
	16	Manganese	mg/L	Annually			74		1	1	74	74	74		
	16	Mercury	mg/L	Annually			<0.05		1	1	0	#DIV/0!	0		
	16	Nickel	mg/L	Annually			4		1	1	4	4	4		
	16	Nitrate	mg/L	6 Monthly	<0.005		0.02		2	2	0	0	0		
	16	Nitrite	mg/L	6 Monthly	<0.005		<0.005		2	2	0	#DIV/0!	0		
	16	Nitrogen (ammonia)	mg/L	Quarterly	0.75	0.47	0.43	0.72	4	4	0	1	1	1	
	16	Nitrogen (Total)	mg/L	6 Monthly	0.8		0.7		2	2	1	1	1	1	
	16	pH	pH Unit	6 Monthly	6.08		5.85		2	2	6	6	6	6	
	16	Phenols	mg/L	6 Monthly	<0.05		<0.05		2	2	0	#DIV/0!	0	0	
	16	Phosphorus (Total)	mg/L	6 Monthly	0.07		1.7		2	2	0	1	2	2	
	16	Polycyclic Aromatic Hydrocarbons	mg/L	6 Monthly	<5		<5		2	2	0	#DIV/0!	0	0	
	16	Potassium	mg/L	6 Monthly	13		13		2	2	13	13	13	13	
	16	Redox potential	mV	6 Monthly	32.8		30.1		2	2	30	31	33	33	
	16	Selenium	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0	0	
16	Silver	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0	0		
16	Sodium	mg/L	6 Monthly	1700		1600		2	2	1600	1650	1700	1700		
16	Standing Water Level	Metres	Quarterly	15.9	17.07	17.23	16.78	4	4	16	17	17	17		
16	Sulfate	mg/L	6 Monthly	450		490		2	2	450	470	490	490		
16	Total organic carbon	mg/L	Quarterly	2	2	4	2.000	4	4	2	3	4	4		
16	Total Petroleum Hydrocarbons	mg/L	6 Monthly	<100		<100		2	2	0	#DIV/0!	0	0		
16	Zinc	mg/L	Annually			55		1	1	55	55	55	55		
	17	Alkalinity (as calcium carbonate)	mg/L	6 Monthly	510		820		2	2	510	665	820		
	17	Aluminium	mg/L	Annually			<10		1	1	0	#DIV/0!	0		
	17	Arsenic	mg/L	Annually			<1		1	1	0	#DIV/0!	0		
	17	Barium	mg/L	Annually			790		1	1	790	790	790	790	
	17	Benzene	mg/L	Annually			<1		1	1	0	#DIV/0!	0		
	17	Cadmium	mg/L	Annually			<0.1		1	1	0	#DIV/0!	0		
	17	Calcium	mg/L	6 Monthly	290		380		2	2	290	335	380	380	
	17	Chloride	mg/L	6 Monthly	6600		6900		2	2	6600	6750	6900	6900	
	17	Chromium	mg/L	Annually			<1		1	1	0	#DIV/0!	0		
	17	Conductivity	µS/cm	6 Monthly	17587		18305		2	2	17587	17946	18305	18305	
	17	Copper	mg/L	Annually			2		1	1	2	2	2	2	
	17	Dissolved Oxygen	mg/L	6 Monthly	1.23		0.62		2	2	1	1	1	1	
	17	Fluoride	mg/L	6 Monthly	0.2		0.2		2	2	0	0	0	0	
	17	Iron	mg/L	Annually			80		1	1	80	80	80	80	
	17	Lead	mg/L	Annually			<1		1	1	0	#DIV/0!	0	0	
	17	Magnesium	mg/L	6 Monthly	370		310		2	2	310	340	370	370	
	17	Manganese	mg/L	Annually			410		1	1	410	410	410	410	
17	Mercury	mg/L	Annually			<0.05		1	1	0	#DIV/0!	0	0		

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G3a	17	Nickel	mg/L	Annually			2		1	1	2	2	2	
	17	Nitrate	mg/L	6 Monthly	0.008		<0.005		2	2	0	0	0	
	17	Nitrite	mg/L	6 Monthly	<0.005		<0.005		2	2	0	#DIV/0!	0	
	17	Nitrogen (ammonia)	mg/L	Quarterly	2.3	4.2	4.4	5.7	4	4	2	4	6	
	17	Nitrogen (Total)	mg/L	6 Monthly	2.3		6.1		2	2	2	4	6	
	17	pH	pH Unit	6 Monthly	7.22		6.63		2	2	7	7	7	
	17	Phenols	mg/L	6 Monthly	<0.05		<0.05		2	2	0	#DIV/0!	0	
	17	Phosphorus (Total)	mg/L	6 Monthly	<0.05		<0.05		2	2	0	#DIV/0!	0	
	17	Polycyclic Aromatic Hydrocarbons	mg/L	6 Monthly	<5		<5		2	2	0	#DIV/0!	0	
	17	Potassium	mg/L	6 Monthly	24		57		2	2	24	41	57	
	17	Redox potential	mV	6 Monthly	-228.1		-233.0		2	2	-233	-231	-228	
	17	Selenium	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0	
	17	Silver	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0	
	17	Sodium	mg/L	6 Monthly	3500		3200		2	2	3200	3350	3500	
	17	Standing Water Level	Metres	Quarterly	12.1	12.61	12.88	11.91	4	4	12	12	13	
17	Sulfate	mg/L	6 Monthly	690		120		2	2	120	405	690		
17	Total organic carbon	mg/L	Quarterly	5	4	5	77	4	4	4	23	77		
17	Total Petroleum Hydrocarbons	mg/L	6 Monthly	130.00	nt	230.000		2	3	130	180	230		
17	Zinc	mg/L	Annually			<1		1	1	0	#DIV/0!	0		
G4a	18	Alkalinity (as calcium carbonate)	mg/L	6 Monthly	850		870		2	2	850	860	870	
	18	Aluminium	mg/L	Annually			<10		1	1	0	#DIV/0!	0	
	18	Arsenic	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	18	Barium	mg/L	Annually			85		1	1	85	85	85	
	18	Benzene	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	18	Cadmium	mg/L	Annually			<0.1		1	1	0	#DIV/0!	0	
	18	Calcium	mg/L	6 Monthly	280		250		2	2	250	265	280	
	18	Chloride	mg/L	6 Monthly	8600		11000		2	2	8600	9800	11000	
	18	Chromium	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	18	Conductivity	µS/cm	6 Monthly	24947		27102		2	2	24947	26025	27102	
	18	Copper	mg/L	Annually			1		1	1	1	1	1	
	18	Dissolved Oxygen	mg/L	6 Monthly	1.74		1.42		2	2	1	2	2	
	18	Fluoride	mg/L	6 Monthly	0.5		0.4		2	2	0	0	1	
	18	Iron	mg/L	Annually			1800		1	1	1800	1800	1800	
	18	Lead	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	18	Magnesium	mg/L	6 Monthly	750		710		2	2	710	730	750	
	18	Manganese	mg/L	Annually			290		1	1	290	290	290	
	18	Mercury	mg/L	Annually			<0.05		1	1	0	#DIV/0!	0	
	18	Nickel	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	18	Nitrate	mg/L	6 Monthly	<0.005		<0.005		2	2	0	#DIV/0!	0	
	18	Nitrite	mg/L	6 Monthly	<0.005		<0.005		2	2	0	#DIV/0!	0	
	18	Nitrogen (ammonia)	mg/L	Quarterly	3.2	2.7	2.5	3.4	4	4	3	3	3	
	18	Nitrogen (Total)	mg/L	6 Monthly	3.5		3.3		2	2	3	3	4	
	18	pH	pH Unit	6 Monthly	7.14		6.79		2	2	7	7	7	
	18	Phenols	mg/L	6 Monthly	<0.05		<0.05		2	2	0	#DIV/0!	0	
	18	Phosphorus (Total)	mg/L	6 Monthly	<0.05		<45		2	2	0	#DIV/0!	0	
	18	Polycyclic Aromatic Hydrocarbons	mg/L	6 Monthly	<5		<5		2	2	0	#DIV/0!	0	
	18	Potassium	mg/L	6 Monthly	52		52		2	2	52	52	52	
18	Redox potential	mV	6 Monthly	-150.9		-53		2	2	-151	-102	-53		
18	Selenium	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0		
18	Silver	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0		
18	Sodium	mg/L	6 Monthly	5100		4900		2	2	4900	5000	5100		
18	Standing Water Level	Metres	Quarterly	0.55	2.38	2.47	2.37	4	4	1	2	2		
18	Sulfate	mg/L	6 Monthly	620		740		2	2	620	680	740		
18	Total organic carbon	mg/L	Quarterly	<1	1	2	26	4	4	1	10	26		
18	Total Petroleum Hydrocarbons	mg/L	6 Monthly	<100		<100		2	2	0	#DIV/0!	0		
18	Zinc	mg/L	Annually			<1		1	1	0	#DIV/0!	0		
	19	Alkalinity (as calcium carbonate)	mg/L	6 Monthly	670		700		2	2	670	685	700	
	19	Aluminium	mg/L	Annually			30		1	1	30	30	30	
	19	Arsenic	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	19	Barium	mg/L	Annually			81		1	1	81	81	81	
	19	Benzene	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	19	Cadmium	mg/L	Annually			0.2		1	1	0	0	0	
	19	Calcium	mg/L	6 Monthly	88		81		2	2	81	85	88	
	19	Chloride	mg/L	6 Monthly	3900		4300		2	2	3900	4100	4300	
	19	Chromium	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	19	Conductivity	µS/cm	6 Monthly	13902		13483		2	2	13483	13693	13902	
	19	Copper	mg/L	Annually			2		1	1	2	2	2	

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G5	19	Dissolved Oxygen	mg/L	6 Monthly	9.49		11.01		2	2	9	10	11	G5a Q3 sampled on 14/7/2024
	19	Fluoride	mg/L	6 Monthly	0.4		0.4		2	2	0	0	0	
	19	Iron	mg/L	Annually			<10		1	1	0	#DIV/0!	0	
	19	Lead	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	19	Magnesium	mg/L	6 Monthly	260		230		2	2	230	245	260	
	19	Manganese	mg/L	Annually			590		1	1	590	590	590	
	19	Mercury	mg/L	Annually			<0.05		1	1	0	#DIV/0!	0	
	19	Nickel	mg/L	Annually			5		1	1	5	5	5	
	19	Nitrate	mg/L	6 Monthly	0.03		0.14		2	2	0	0	0	
	19	Nitrite	mg/L	6 Monthly	<0.005		<0.005		2	2	0	#DIV/0!	0	
	19	Nitrogen (ammonia)	mg/L	Quarterly	0.33	0.46	0.049	0.16	4	4	0	0	0	
	19	Nitrogen (Total)	mg/L	6 Monthly	0.3		0.2		2	2	0	0	0	
	19	pH	pH Unit	6 Monthly	8.28		7.71		2	2	8	8	8	
	19	Phenols	mg/L	6 Monthly	<0.05		<0.05		2	2	0	#DIV/0!	0	
	19	Phosphorus (Total)	mg/L	6 Monthly	0.1		0.1		2	2	0	0	0	
	19	Polycyclic Aromatic Hydrocarbons	mg/L	6 Monthly	<5		<5		2	2	0	#DIV/0!	0	
	19	Potassium	mg/L	6 Monthly	10		9.6		2	2	10	10	10	
	19	Redox potential	mV	6 Monthly	-10.5		39.7		2	2	-11	15	40	
	19	Selenium	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0	
	19	Silver	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0	
19	Sodium	mg/L	6 Monthly	3000		2500		2	2	2500	2750	3000		
19	Standing Water Level	Metres	Quarterly	4.69	4.85	4.68	4.42	4	4	4	5	5		
19	Sulfate	mg/L	6 Monthly	670		710		2	2	670	690	710		
19	Total organic carbon	mg/L	Quarterly	3	4	5	37	4	4	3	12	37		
19	Total Petroleum Hydrocarbons	mg/L	6 Monthly	<100		<100		2	2	0	#DIV/0!	0		
19	Zinc	mg/L	Annually			88		1	1	88	88	88		
G6	20	Alkalinity (as calcium carbonate)	mg/L	6 Monthly	400		390		2	2	390	395	400	
	20	Aluminium	mg/L	Annually			<10		1	1	0	#DIV/0!	0	
	20	Arsenic	mg/L	Annually			4		1	1	4	4	4	
	20	Barium	mg/L	Annually			84		1	1	84	84	84	
	20	Benzene	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	20	Cadmium	mg/L	Annually			<0.1		1	1	0	#DIV/0!	0	
	20	Calcium	mg/L	6 Monthly	120		100		2	2	100	110	120	
	20	Chloride	mg/L	6 Monthly	3900		4700		2	2	3900	4300	4700	
	20	Chromium	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	20	Conductivity	µS/cm	6 Monthly	12022		13768		2	2	12022	12895	13768	
	20	Copper	mg/L	Annually			2		1	1	2	2	2	
	20	Dissolved Oxygen	mg/L	6 Monthly	1.15		1.04		2	2	1	1	1	
	20	Fluoride	mg/L	6 Monthly	0.2		0.2		2	2	0	0	0	
	20	Iron	mg/L	Annually			3700		1	1	3700	3700	3700	
	20	Lead	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	20	Magnesium	mg/L	6 Monthly	220		250		2	2	220	235	250	
	20	Manganese	mg/L	Annually			380		1	1	380	380	380	
	20	Mercury	mg/L	Annually			<0.05		1	1	0	#DIV/0!	0	
	20	Nickel	mg/L	Annually			2		1	1	2	2	2	
	20	Nitrate	mg/L	6 Monthly	<0.005		0.008		2	2	0	0	0	
	20	Nitrite	mg/L	6 Monthly	<0.005		<0.005		2	2	0	#DIV/0!	0	
	20	Nitrogen (ammonia)	mg/L	Quarterly	1.2	1.8	1.4	2.4	4	4	1	2	2	
	20	Nitrogen (Total)	mg/L	6 Monthly	1.3		2.3		2	2	1	2	2	
	20	pH	pH Unit	6 Monthly	7.24		6.85		2	2	7	7	7	
	20	Phenols	mg/L	6 Monthly	<0.05		<0.05		2	2	0	#DIV/0!	0	
	20	Phosphorus (Total)	mg/L	6 Monthly	<0.05		0.08		2	2	0	0	0	
20	Polycyclic Aromatic Hydrocarbons	mg/L	6 Monthly	<5		<5		2	2	0	#DIV/0!	0		
20	Potassium	mg/L	6 Monthly	18		22		2	2	18	20	22		
20	Redox potential	mV	6 Monthly	-147.9		-91.3		2	2	-148	-120	-91		
20	Selenium	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0		
20	Silver	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0		
20	Sodium	mg/L	6 Monthly	2100		2500		2	2	2100	2300	2500		
20	Standing Water Level	Metres	Quarterly	2.82	3.39	2.87	2.45	4	4	2	3	3		
20	Sulfate	mg/L	6 Monthly	350		410		2	2	350	380	410		
20	Total organic carbon	mg/L	Quarterly	2	3	3	34	4	4	2	11	34		
20	Total Petroleum Hydrocarbons	mg/L	6 Monthly	110.00		140.000		2	2	110	125	140		
20	Zinc	mg/L	Annually			6		1	1	6	6	6		
	21	Alkalinity (as calcium carbonate)	mg/L	6 Monthly	520		500		2	2	500	510	520	
	21	Aluminium	mg/L	Annually			20		1	1	20	20	20	
	21	Arsenic	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	21	Barium	mg/L	Annually			35		1	1	35	35	35	

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G7	21	Benzene	mg/L	Annually			<1		1	1	0	#DIV/0!	0	G7 Q3 sampled on 14/7/2023
	21	Cadmium	mg/L	Annually			<0.1		1	1	0	#DIV/0!	0	
	21	Calcium	mg/L	6 Monthly	230		280		2	2	230	255	280	
	21	Chloride	mg/L	6 Monthly	9200		11000		2	2	9200	10100	11000	
	21	Chromium	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	21	Conductivity	µS/cm	6 Monthly	6662		26888		2	2	6662	16775	26888	
	21	Copper	mg/L	Annually			3		1	1	3	3	3	
	21	Dissolved Oxygen	mg/L	6 Monthly	0.47	1.17	0.9		2	3	0	1	1	
	21	Fluoride	mg/L	6 Monthly	0.3		0.2		2	2	0	0	0	
	21	Iron	mg/L	Annually			2600		1	1	2600	2600	2600	
	21	Lead	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	21	Magnesium	mg/L	6 Monthly	970		960		2	2	960	965	970	
	21	Manganese	mg/L	Annually			1700		1	1	1700	1700	1700	
	21	Mercury	mg/L	Annually			<0.05		1	1	0	#DIV/0!	0	
21	Nickel	mg/L	Annually			24		1	1	24	24	24		

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	21	Nitrate	mg/L	6 Monthly	0.006		0.02		2	2	0	0	0	
	21	Nitrite	mg/L	6 Monthly	<0.005		<0.005		2	2	0	#DIV/0!	0	
	21	Nitrogen (ammonia)	mg/L	Quarterly	1.1	0.88	0.8	1.1	4	4	1	1	1	
	21	Nitrogen (Total)	mg/L	6 Monthly	1.2		1		2	2	1	1	1	
	21	pH	pH Unit	6 Monthly	6.21		6.31		2	2	6	6	6	
	21	Phenols	mg/L	6 Monthly	<0.05		<0.05		2	2	0	#DIV/0!	0	
	21	Phosphorus (Total)	mg/L	6 Monthly	<0.05		0.07		2	2	0	0	0	
	21	Polycyclic Aromatic Hydrocarbons	mg/L	6 Monthly	<5		<5		2	2	0	#DIV/0!	0	
	21	Potassium	mg/L	6 Monthly	18		21		2	2	18	20	21	
	21	Redox potential	mV	6 Monthly	31.3		15.1		2	2	15	23	31	
	21	Selenium	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0	
	21	Silver	mg/L	6 Monthly	2		<1		2	2	2	2	2	
	21	Sodium	mg/L	6 Monthly	4500		4800		2	2	4500	4650	4800	
	21	Standing Water Level	Metres	Quarterly	10.55	5.09	8.25	0.92	4	4	1	6	11	
	21	Sulfate	mg/L	6 Monthly	1100		1300		2	2	1100	1200	1300	
	21	Total organic carbon	mg/L	Quarterly	<1	1	3	3	4	4	1	2	3	
	21	Total Petroleum Hydrocarbons	mg/L	6 Monthly	<100		<100		2	2	0	#DIV/0!	0	
	21	Zinc	mg/L	Annually			34		1	1	34	34	34	
	22	Alkalinity (as calcium carbonate)	mg/L	6 Monthly	1000		1000		2	2	1000	1000	1000	
	22	Aluminium	mg/L	Annually			<10		1	1	0	#DIV/0!	0	
	22	Arsenic	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	22	Barium	mg/L	Annually			45000		1	1	45000	45000	45000	
	22	Benzene	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	22	Cadmium	mg/L	Annually			<0.1		1	1	0	#DIV/0!	0	
	22	Calcium	mg/L	6 Monthly	250		290		2	2	250	270	290	
	22	Chloride	mg/L	6 Monthly	4500		6000		2	2	4500	5250	6000	
	22	Chromium	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	22	Conductivity	µS/cm	6 Monthly	15553	15286	16648		2	3	15286	15829	16648	
	22	Copper	mg/L	Annually					1	1	1	1	1	
	22	Dissolved Oxygen	mg/L	6 Monthly	6		0.91		2	2	1	3	6	
	22	Fluoride	mg/L	6 Monthly	0.3		0.3		2	2	0	0	0	
	22	Iron	mg/L	Annually			2500		1	1	2500	2500	2500	
	22	Lead	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	22	Magnesium	mg/L	6 Monthly	280		290		2	2	280	285	290	
	22	Manganese	mg/L	Annually			90		1	1	90	90	90	
	22	Mercury	mg/L	Annually			<0.05		1	1	0	#DIV/0!	0	
	22	Nickel	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	22	Nitrate	mg/L	6 Monthly	0.052		0.064		2	2	0	0	0	
	22	Nitrite	mg/L	6 Monthly	<0.005		<0.005		2	2	0	#DIV/0!	0	
	22	Nitrogen (ammonia)	mg/L	Quarterly	6.5	5.2	5.1	5.7	4	4	5	6	7	
	22	Nitrogen (Total)	mg/L	6 Monthly	7.1		6.9		2	2	7	7	7	
	22	pH	pH Unit	6 Monthly	7.12		6.76		2	2	7	7	7	
	22	Phenols	mg/L	6 Monthly	<0.05		<0.05		2	2	0	#DIV/0!	0	
	22	Phosphorus (Total)	mg/L	6 Monthly	0.09		0.07		2	2	0	0	0	
	22	Polycyclic Aromatic Hydrocarbons	mg/L	6 Monthly	<5		<5		2	2	0	#DIV/0!	0	
	22	Potassium	mg/L	6 Monthly	42		59		2	2	42	51	59	
	22	Redox potential	mV	6 Monthly	-150.5		-166.8		2	2	-167	-159	-151	
	22	Selenium	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0	
	22	Silver	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0	
	22	Sodium	mg/L	6 Monthly	3000		3000		2	2	3000	3000	3000	
	22	Standing Water Level	Metres	Quarterly	13.45	14.79	13.26	2.12	4	4	2	11	15	
	22	Sulfate	mg/L	6 Monthly	1		2		2	2	1	2	2	
	22	Total organic carbon	mg/L	Quarterly	4	3	4	90	4	4	3	25	90	
	22	Total Petroleum Hydrocarbons	mg/L	6 Monthly	<100		<100		2	2	0	#DIV/0!	0	
	22	Zinc	mg/L	Annually			35		1	1	35	35	35	
	54	Alkalinity (as calcium carbonate)	mg/L	6 Monthly	1200		1100		2	2	1100	1150	1200	
	54	Aluminium	mg/L	Annually			<10		1	1	0	#DIV/0!	0	
	54	Arsenic	mg/L	Annually			2		1	1	2	2	2	
	54	Barium	mg/L	Annually			280		1	1	280	280	280	
	54	Benzene	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	54	Cadmium	mg/L	Annually			<0.1		1	1	0	#DIV/0!	0	
	54	Calcium	mg/L	6 Monthly	91		180		2	2	91	136	180	
	54	Chloride	mg/L	6 Monthly	4400		5600		2	2	4400	5000	5600	
	54	Chromium	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	54	Conductivity	µS/cm	6 Monthly	14260	14153	14119		2	3	14119	14177	14260	
	54	Copper	mg/L	Annually			2		1	1	2	2	2	
	54	Dissolved Oxygen	mg/L	6 Monthly	5.82	6.99	9.27		2	3	6	7	9	

Location Name	EPA Monitoring Point No.	Pollutant	Unit of measure	Frequency	17/03/2023	13/06/2023	14/09/2023	17/01/2024*	No. of samples required by licence	No. of samples collected and analysed	Lowest Sample Value	Mean Sample Value	Highest Sample Value	Comments
G10	54	Fluoride	mg/L	6 Monthly	0.5	nt	0.5		2	3	1	1	1	
	54	Iron	mg/L	Annually			70		1	1	70	70	70	
	54	Lead	mg/L	Annually			<1		1	1	0	#DIV/0!	0	
	54	Magnesium	mg/L	6 Monthly	350	nt	350		2	3	350	350	350	
	54	Manganese	mg/L	Annually			94		1	1	94	94	94	
	54	Mercury	mg/L	Annually			<0.05		1	1	0	#DIV/0!	0	
	54	Nickel	mg/L	Annually			2		1	1	2	2	2	
	54	Nitrate	mg/L	6 Monthly	0.01		0.009		2	2	0	0	0	
	54	Nitrite	mg/L	6 Monthly	<0.005		<0.005		2	2	0	#DIV/0!	0	
	54	Nitrogen (ammonia)	mg/L	Quarterly	1.9	2.4	2	2.8	4	4	2	2	3	
	54	Nitrogen (Total)	mg/L	6 Monthly	1.9		2.8		2	2	2	2	3	
	54	pH	pH Unit	6 Monthly	7.19		7.49		2	2	7	7	7	
	54	Phenols	mg/L	6 Monthly	<0.05		<0.05		2	2	0	#DIV/0!	0	
	54	Phosphorus (Total)	mg/L	6 Monthly	2.3		6.9		2	2	2	5	7	
	54	Polycyclic Aromatic Hydrocarbons	mg/L	6 Monthly	<5		<5		2	2	0	#DIV/0!	0	
	54	Potassium	mg/L	6 Monthly	25		30		2	2	25	28	30	
	54	Redox potential	mV	6 Monthly	-50.5		20.7		2	2	-51	-15	21	
	54	Selenium	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0	
	54	Silver	mg/L	6 Monthly	<1		<1		2	2	0	#DIV/0!	0	
	54	Sodium	mg/L	6 Monthly	2700		2600		2	2	2600	2650	2700	
54	Standing Water Level	Metres	Quarterly	13.44	13.52	10.98	13.92	4	4	11	13	14		
54	Sulfate	mg/L	6 Monthly	190		220		2	2	190	205	220		
54	Total organic carbon	mg/L	Quarterly	2	2	3	<10	4	4	2	2	3		
54	Total Petroleum Hydrocarbons	mg/L	6 Monthly	<100		<100		2	2	0	#DIV/0!	0		
54	Zinc	mg/L	Annually			4		1	1	4	4	4		

Comments:

"17/1/2024*" In Q4 2023, Cleanaway encountered an issue with the Consultant (CES) completing the sampling on the scheduled date (21/12/2023). Due to the Christmas closure period the consultant was not able to conduct the sampling in December 2023. The sampling was rescheduled for the 17th January 2024.