

Operator: CWM Environmental Ltd
Permit: CP3735PB

Installation: Nantycaws Landfill Site
Form: Leachate Q1 2023

Reporting of leachate monitoring for the period from 01-Jan-2023 to 31-Mar-2023

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
Cell 1/2 Sump	Base of well/borehole/sump	Field	11/01/2023		14.65	m
			06/02/2023		14.65	m
			09/03/2023		14.66	m
	Groundwater level/dip		11/01/2023		13.8	m
			06/02/2023		13.8	m
			09/03/2023		13.88	m
	Leachate level above base of sump/pit base		11/01/2023	3m above base	0.85	m
			06/02/2023	3m above base	0.85	m
			09/03/2023	3m above base	0.78	m
	Total Alkalinity as CaCO ₃	TM043	12/01/2023		2480	mg/l
	Biological oxygen demand	TM045	12/01/2023		28.2	mg/l
	Total organic carbon	TM090	12/01/2023		224	mg/l
	Ammoniacal Nitrogen as N	TM099	12/01/2023	<3,640 mg/l	535	mg/l
			06/02/2023	<3,640 mg/l	373	mg/l
			07/03/2023	<3,640 mg/l	2090	mg/l
	Chemical oxygen demand (unfiltered)	TM107	12/01/2023		890	mg/l
	Cadmium (filtered)	TM152	26/01/2023	<0.105 mg/l	0.0000968	mg/l
	Calcium (filtered)		26/01/2023		58.4	mg/l
	Chromium (filtered)		26/01/2023		0.057	mg/l
	Copper (filtered)		26/01/2023		0.0105	mg/l
	Iron (filtered)		26/01/2023		4.57	mg/l
	Lead (filtered)		26/01/2023		0.00139	mg/l
	Magnesium (filtered)		26/01/2023		25.7	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
Cell 1/2 Sump	Manganese (filtered)	TM152	26/01/2023		0.345	mg/l
	Nickel (filtered)		26/01/2023		0.102	mg/l
	Potassium (filtered)		26/01/2023		347	mg/l
	Sodium (filtered)		26/01/2023		720	mg/l
	Zinc (filtered)		26/01/2023		0.0303	mg/l
	4-Methylphenol	TM176	12/01/2023	<1.6 mg/l	<0.02	mg/l
	Diethyl phthalate		12/01/2023	<0.44 mg/l	<0.02	mg/l
	Chloride	TM184	12/01/2023	<19,000 mg/l	3820	mg/l
			06/02/2023	<19,000 mg/l	2750	mg/l
			07/03/2023	<19,000 mg/l	11500	mg/l
	Sulphate		12/01/2023		30.3	mg/l
	Total Oxidised Nitrogen as N		12/01/2023		2.83	mg/l
	Dichloromethane	TM208	12/01/2023	<0.033 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	12/01/2023		13900	µS/cm
			06/02/2023		8790	µS/cm
Cell 3/4 Sump			07/03/2023		40600	µS/cm
	Mecoprop	TM411	12/01/2023	<0.071 mg/l	0.00441	mg/l
	Base of well/borehole/sump	Field	11/01/2023		10.96	m
			06/02/2023		10.96	m
			09/03/2023		10.96	m
	Groundwater level/dip		11/01/2023		10.01	m
			06/02/2023		10.01	m
			09/03/2023		10.17	m
	Leachate level above base of sump/pit base		11/01/2023	2.8m above base	0.95	m
			06/02/2023	2.8m above base	0.95	m
			09/03/2023	2.8m above base	0.79	m
	Total Alkalinity as CaCO3	TM043	12/01/2023		3530	mg/l
	Biological oxygen demand	TM045	12/01/2023		56.4	mg/l
	Total organic carbon	TM090	12/01/2023		368	mg/l
	Ammoniacal Nitrogen as N	TM099	12/01/2023	<3,640 mg/l	680	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
Cell 3/4 Sump	Ammoniacal Nitrogen as N	TM099	06/02/2023	<3,640 mg/l	498	mg/l
			07/03/2023	<3,640 mg/l	143	mg/l
			12/01/2023		1250	mg/l
	Chemical oxygen demand (unfiltered)	TM107	12/01/2023			mg/l
	Cadmium (filtered)	TM152	12/01/2023	<0.105 mg/l	0.000202	mg/l
	Calcium (filtered)		12/01/2023		54.4	mg/l
	Chromium (filtered)		12/01/2023		0.0655	mg/l
	Copper (filtered)		12/01/2023		0.013	mg/l
	Iron (filtered)		12/01/2023		3.51	mg/l
	Lead (filtered)		12/01/2023		0.000992	mg/l
	Magnesium (filtered)		12/01/2023		33.3	mg/l
	Manganese (filtered)		12/01/2023		0.548	mg/l
	Nickel (filtered)		12/01/2023		0.136	mg/l
	Potassium (filtered)		12/01/2023		426	mg/l
	Sodium (filtered)		12/01/2023		923	mg/l
	Zinc (filtered)		12/01/2023		0.0461	mg/l
	4-Methylphenol	TM176	12/01/2023	<1.6 mg/l	<0.04	mg/l
	Diethyl phthalate		12/01/2023	<0.44 mg/l	<0.04	mg/l
	Chloride	TM184	12/01/2023	<19,000 mg/l	1460	mg/l
			06/02/2023	<19,000 mg/l	1460	mg/l
			07/03/2023	<19,000 mg/l	1370	mg/l
	Sulphate		12/01/2023		136	mg/l
	Total Oxidised Nitrogen as N		12/01/2023		1.32	mg/l
	Dichloromethane	TM208	12/01/2023	<0.033 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	12/01/2023		9480	µS/cm
			06/02/2023		7700	µS/cm
			07/03/2023		6260	µS/cm
	Mecoprop	TM411	12/01/2023	<0.071 mg/l	0.0106	mg/l
Cell 5 Sump	Base of well/borehole/sump	Field	11/01/2023		5.98	m
			06/02/2023		5.98	m
			09/03/2023		5.98	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
Cell 5 Sump	Groundwater level/dip	Field	11/01/2023		5.13	m
			06/02/2023		5.13	m
			09/03/2023		5.17	m
	Leachate level above base of sump/pit base		11/01/2023	2m above base	0.85	m
			06/02/2023	2m above base	0.85	m
			09/03/2023	2m above base	0.81	m
	Total Alkalinity as CaCO3	TM043	12/01/2023		3330	mg/l
	Biological oxygen demand	TM045	12/01/2023		37.8	mg/l
	Total organic carbon	TM090	12/01/2023		348	mg/l
	Ammoniacal Nitrogen as N	TM099	12/01/2023	<3,640 mg/l	716	mg/l
			06/02/2023	<3,640 mg/l	609	mg/l
			07/03/2023	<3,640 mg/l	257	mg/l
	Chemical oxygen demand (unfiltered)	TM107	12/01/2023		1160	mg/l
	Cadmium (filtered)	TM152	26/01/2023	<0.105 mg/l	0.000165	mg/l
	Calcium (filtered)		26/01/2023		79.1	mg/l
	Chromium (filtered)		26/01/2023		0.0548	mg/l
	Copper (filtered)		26/01/2023		0.00981	mg/l
	Iron (filtered)		26/01/2023		2.6	mg/l
	Lead (filtered)		26/01/2023		0.00198	mg/l
	Magnesium (filtered)		26/01/2023		92.2	mg/l
	Manganese (filtered)		26/01/2023		0.44	mg/l
	Nickel (filtered)		26/01/2023		0.0986	mg/l
	Potassium (filtered)		26/01/2023		1690	mg/l
	Sodium (filtered)		26/01/2023		2550	mg/l
	Zinc (filtered)		26/01/2023		0.0769	mg/l
	4-Methylphenol	TM176	12/01/2023	<0.126 mg/l	<0.04	mg/l
	Diethyl phthalate		12/01/2023	<0.36 mg/l	<0.04	mg/l
	Chloride	TM184	16/01/2023	<19,000 mg/l	5490	mg/l
			06/02/2023	<19,000 mg/l	4850	mg/l
			07/03/2023	<19,000 mg/l	4230	mg/l

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Cell 5 Sump	Sulphate	TM184	16/01/2023		<2	mg/l
	Total Oxidised Nitrogen as N		16/01/2023		2.13	mg/l
	Dichloromethane	TM208	12/01/2023	<0.066 mg/l	<0.003	mg/l
	Chloride	TM226	12/01/2023	<19,000 mg/l	4960	mg/l
	Sulphate		12/01/2023		47.5	mg/l
	Total Oxidised Nitrogen as N		12/01/2023		24.9	mg/l
	Electrical conductivity @20°C (lab)	TM256	12/01/2023		19700	µS/cm
			06/02/2023		15300	µS/cm
			07/03/2023		13700	µS/cm
	Mecoprop	TM411	12/01/2023	<0.14 mg/l	0.00633	mg/l
Cell 6 Sump	Base of well/borehole/sump	Field	11/01/2023		25.62	m
			06/02/2023		25.62	m
			09/03/2023		25.63	m
	Groundwater level/dip		11/01/2023		24.22	m
			06/02/2023		25.1	m
			09/03/2023		25.2	m
	Leachate level above base of sump/pit base		11/01/2023	1.5m above base	1.4	m
			06/02/2023	1.5m above base	0.52	m
			09/03/2023	1.5m above base	0.43	m
	Total Alkalinity as CaCO3	TM043	12/01/2023		2980	mg/l
	Biological oxygen demand	TM045	12/01/2023		90.8	mg/l
	Total organic carbon	TM090	16/01/2023		192	mg/l
	Ammoniacal Nitrogen as N	TM099	16/01/2023	<3,640 mg/l	342	mg/l
			06/02/2023	<3,640 mg/l	213	mg/l
			07/03/2023	<3,640 mg/l	136	mg/l
	Chemical oxygen demand (unfiltered)	TM107	12/01/2023		837	mg/l
	Cadmium (filtered)	TM152	16/01/2023	<0.105 mg/l	<0.00008	mg/l
	Calcium (filtered)		16/01/2023		62.8	mg/l
	Chromium (filtered)		16/01/2023		0.0453	mg/l
	Copper (filtered)		16/01/2023		0.00142	mg/l

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Cell 6 Sump	Iron (filtered)	TM152	16/01/2023		1.27	mg/l
	Lead (filtered)		16/01/2023		0.000675	mg/l
	Magnesium (filtered)		16/01/2023		16.9	mg/l
	Manganese (filtered)		16/01/2023		0.639	mg/l
	Nickel (filtered)		16/01/2023		0.0398	mg/l
	Potassium (filtered)		16/01/2023		190	mg/l
	Sodium (filtered)		16/01/2023		398	mg/l
	Zinc (filtered)		16/01/2023		0.0156	mg/l
	4-Methylphenol	TM176	12/01/2023	<0.126 mg/l	<0.02	mg/l
	Diethyl phthalate		12/01/2023	<0.36 mg/l	<0.02	mg/l
	Chloride	TM184	12/01/2023	<19,000 mg/l	727	mg/l
			06/02/2023	<19,000 mg/l	347	mg/l
			07/03/2023	<19,000 mg/l	652	mg/l
	Sulphate		12/01/2023		100	mg/l
	Total Oxidised Nitrogen as N		12/01/2023		<0.1	mg/l
	Dichloromethane	TM208	12/01/2023	<0.066 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	12/01/2023		6870	µS/cm
			06/02/2023		3110	µS/cm
			07/03/2023		3960	µS/cm
	Mecoprop	TM411	12/01/2023	<0.14 mg/l	0.00867	mg/l
Cell 7 Sump	Base of well/borehole/sump	Field	11/01/2023		26.35	m
			06/02/2023		26.35	m
			09/03/2023		26.35	m
	Groundwater level/dip		11/01/2023		25.12	m
			06/02/2023		26	m
			09/03/2023		26.09	m
	Leachate level above base of sump/pit base		11/01/2023	1.5m above base	1.23	m
			06/02/2023	1.5m above base	0.35	m
			09/03/2023	1.5m above base	0.26	m
	Total Alkalinity as CaCO3	TM043	12/01/2023		1750	mg/l

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Cell 7 Sump	Biological oxygen demand	TM045	12/01/2023		76.5	mg/l
	Total organic carbon	TM090	12/01/2023		159	mg/l
	Ammoniacal Nitrogen as N	TM099	12/01/2023	<3,640 mg/l	336	mg/l
			06/02/2023	<3,640 mg/l	273	mg/l
			07/03/2023	<3,640 mg/l	680	mg/l
	Chemical oxygen demand (unfiltered)	TM107	12/01/2023		570	mg/l
	Cadmium (filtered)	TM152	16/01/2023	<0.105 mg/l	<0.00008	mg/l
	Calcium (filtered)		16/01/2023		61.8	mg/l
	Chromium (filtered)		16/01/2023		0.0409	mg/l
	Copper (filtered)		16/01/2023		0.00143	mg/l
	Iron (filtered)		16/01/2023		1.24	mg/l
	Lead (filtered)		16/01/2023		0.000551	mg/l
	Magnesium (filtered)		16/01/2023		16.3	mg/l
	Manganese (filtered)		16/01/2023		0.63	mg/l
	Nickel (filtered)		16/01/2023		0.0394	mg/l
	Potassium (filtered)		16/01/2023		187	mg/l
	Sodium (filtered)		16/01/2023		399	mg/l
	Zinc (filtered)		16/01/2023		0.0164	mg/l
	4-Methylphenol	TM176	12/01/2023	<0.126 mg/l	<0.01	mg/l
	Diethyl phthalate		12/01/2023	<0.36 mg/l	<0.01	mg/l
	Chloride	TM184	12/01/2023	<19,000 mg/l	449	mg/l
			06/02/2023	<19,000 mg/l	453	mg/l
			07/03/2023	<19,000 mg/l	897	mg/l
	Sulphate		12/01/2023		190	mg/l
	Total Oxidised Nitrogen as N		12/01/2023		0.119	mg/l
	Dichloromethane	TM208	12/01/2023	<0.066 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	12/01/2023		4610	µS/cm
			06/02/2023		3820	µS/cm
			07/03/2023		8870	µS/cm
	Mecoprop	TM411	12/01/2023	<0.14 mg/l	0.0043	mg/l

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Leachate Holding Lagoon	Base of well/borehole/sump	Field	11/01/2023		8.5	m
			06/02/2023		8.5	m
			09/03/2023		8.5	m
	Groundwater level/dip		11/01/2023		6.1	m
			06/02/2023		7.5	m
			09/03/2023		2.5	m
	Total Alkalinity as CaCO3	TM043	12/01/2023		3400	mg/l
	Biological oxygen demand	TM045	12/01/2023		70	mg/l
	Total organic carbon	TM090	12/01/2023		436	mg/l
	Ammoniacal Nitrogen as N	TM099	12/01/2023	<3,640 mg/l	1070	mg/l
			06/02/2023	<3,640 mg/l	930	mg/l
			07/03/2023	<3,640 mg/l	910	mg/l
	Chemical oxygen demand (unfiltered)	TM107	12/01/2023		1490	mg/l
	Cadmium (filtered)	TM152	12/01/2023		<0.0008	mg/l
	Calcium (filtered)		12/01/2023		76.4	mg/l
	Chromium (filtered)		12/01/2023		0.0779	mg/l
	Copper (filtered)		12/01/2023		0.0115	mg/l
	Iron (filtered)		12/01/2023		2.18	mg/l
	Lead (filtered)		12/01/2023		0.00232	mg/l
	Magnesium (filtered)		12/01/2023		58.6	mg/l
	Manganese (filtered)		12/01/2023		0.581	mg/l
	Nickel (filtered)		12/01/2023		0.105	mg/l
	Potassium (filtered)		12/01/2023		961	mg/l
	Sodium (filtered)		12/01/2023		1600	mg/l
	Zinc (filtered)		12/01/2023		0.0516	mg/l
	4-Methylphenol	TM176	12/01/2023		<0.04	mg/l
	Diethyl phthalate		12/01/2023		<0.04	mg/l
	Chloride	TM184	12/01/2023	<19,000 mg/l	2760	mg/l
			06/02/2023	<19,000 mg/l	3350	mg/l
			07/03/2023	<19,000 mg/l	3330	mg/l

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Leachate Holding Lagoon	Sulphate	TM184	12/01/2023		<40	mg/l	
	Total Oxidised Nitrogen as N		12/01/2023		<0.1	mg/l	
	Dichloromethane	TM208	12/01/2023		<0.003	mg/l	
	Electrical conductivity @20°C (lab)	TM256	12/01/2023		13000	µS/cm	
			06/02/2023		13100	µS/cm	
LMP5a			07/03/2023		15700	µS/cm	
	Mecoprop	TM411	12/01/2023		0.0283	mg/l	
	Base of well/borehole/sump	Field	11/01/2023		8.5	m	
			06/02/2023		8.5	m	
			09/03/2023		8.5	m	
	Groundwater level/dip		11/01/2023		DRY	m	
			06/02/2023		DRY	m	
			09/03/2023		DRY	m	
	Leachate level above base of sump/pit base		11/01/2023	1.5m above base	0	m	
			06/02/2023	1.5m above base	0	m	
09/03/2023			1.5m above base	0	m		
LMP5b	Base of well/borehole/sump		11/01/2023		6.8	m	
			06/02/2023		6.8	m	
			09/03/2023		6.8	m	
	Groundwater level/dip		11/01/2023		DRY	m	
			06/02/2023		DRY	m	
09/03/2023				DRY	m		
	Leachate level above base of sump/pit base		11/01/2023	1.5m above base	0	m	
			06/02/2023	1.5m above base	0	m	
			09/03/2023	1.5m above base	0	m	
	LMP6a	Base of well/borehole/sump		11/01/2023		19.1	m
				06/02/2023		19.1	m
09/03/2023					19.1	m	
	Groundwater level/dip		11/01/2023		DRY	m	
			06/02/2023		DRY	m	

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LMP6a	Groundwater level/dip	Field	09/03/2023		DRY	m
	Leachate level above base of sump/pit base		11/01/2023	1.5m above base	0	m
			06/02/2023	1.5m above base	0	m
			09/03/2023	1.5m above base	0	m
LMP7a	Base of well/borehole/sump		11/01/2023		10.48	m
			06/02/2023		10.48	m
			09/03/2023		10.48	m
	Groundwater level/dip		11/01/2023		10.18	m
			06/02/2023		10.18	m
			09/03/2023		10.17	m
	Leachate level above base of sump/pit base		11/01/2023	1.5m above base	0.3	m
			06/02/2023	1.5m above base	0.3	m
			09/03/2023	1.5m above base	0.31	m
LMP7b	Base of well/borehole/sump		11/01/2023		4	m
			06/02/2023		4	m
			09/03/2023		4	m
	Groundwater level/dip		11/01/2023		3.98	m
			06/02/2023		3.98	m
			09/03/2023		3.92	m
	Leachate level above base of sump/pit base		11/01/2023	1.5m above base	0.02	m
			06/02/2023	1.5m above base	0.02	m
			09/03/2023	1.5m above base	0.08	m
M1A	Base of well/borehole/sump		11/01/2023		16.4	m
			06/02/2023		16.4	m
			09/03/2023		16.4	m
	Groundwater level/dip		11/01/2023		15.93	m
			06/02/2023		15.93	m
			09/03/2023		15.98	m
	Leachate level above base of sump/pit base		11/01/2023	2m above base	0.47	m
			06/02/2023	2m above base	0.47	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
M1A	Leachate level above base of sump/pit base	Field	09/03/2023	2m above base	0.42	m
M1B	Base of well/borehole/sump		11/01/2023		10.64	m
			06/02/2023		10.61	m
			09/03/2023		10.61	m
	Groundwater level/dip		11/01/2023		10.32	m
			06/02/2023		10.32	m
			09/03/2023		10.3	m
	Leachate level above base of sump/pit base		11/01/2023	2m above base	0.32	m
			06/02/2023	2m above base	0.29	m
			09/03/2023	2m above base	0.31	m
M2A	Base of well/borehole/sump		11/01/2023		19.1	m
			06/02/2023		19.1	m
			09/03/2023		21.5	m
	Groundwater level/dip		11/01/2023		DRY	m
			06/02/2023		DRY	m
			09/03/2023		DRY	m
	Leachate level above base of sump/pit base		11/01/2023	2m above base	0	m
			06/02/2023	2m above base	0	m
			09/03/2023	2m above base	0	m
M2B	Base of well/borehole/sump		11/01/2023		19.8	m
			06/02/2023		19.8	m
			09/03/2023		19.8	m
	Groundwater level/dip		11/01/2023		19.34	m
			06/02/2023		19.34	m
			09/03/2023		19.3	m
	Leachate level above base of sump/pit base		11/01/2023	2m above base	0.46	m
			06/02/2023	2m above base	0.46	m
			09/03/2023	2m above base	0.5	m
M3A	Base of well/borehole/sump		11/01/2023		21.5	m
			06/02/2023		21.5	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
M3A	Base of well/borehole/sump	Field	09/03/2023		21.5	m
			11/01/2023		21	m
			06/02/2023		21	m
	Leachate level above base of sump/pit base		09/03/2023		21.2	m
			11/01/2023	1.8m above base	0.5	m
			06/02/2023	1.8m above base	0.5	m
			09/03/2023	1.8m above base	0.3	m
			11/01/2023		15.58	m
			06/02/2023		15.58	m
M3B	Base of well/borehole/sump		09/03/2023		15.6	m
			11/01/2023		15	m
			06/02/2023		15	m
	Groundwater level/dip		09/03/2023		15.1	m
			11/01/2023		15.1	m
			06/02/2023		15.1	m
	Leachate level above base of sump/pit base		11/01/2023	1.8m above base	0.58	m
			06/02/2023	1.8m above base	0.58	m
			09/03/2023	1.8m above base	0.5	m
M4A	Base of well/borehole/sump		11/01/2023		18.6	m
			06/02/2023		18.6	m
			09/03/2023		18.6	m
	Groundwater level/dip		11/01/2023		18.1	m
			06/02/2023		18.1	m
			09/03/2023		18	m
	Leachate level above base of sump/pit base		11/01/2023	1.8m above base	0.5	m
			06/02/2023	1.8m above base	0.5	m
			09/03/2023	1.8m above base	0.6	m
M4B	Base of well/borehole/sump		11/01/2023		16.9	m
			06/02/2023		16.9	m
			09/03/2023		16.9	m
	Groundwater level/dip		11/01/2023		16.76	m
			06/02/2023		16.76	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
M4B	Groundwater level/dip	Field	09/03/2023		16.79	m
	Leachate level above base of sump/pit base		11/01/2023	1.8m above base	0.14	m
			06/02/2023	1.8m above base	0.14	m
			09/03/2023	1.8m above base	0.11	m

(1) The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

(2) Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. gas chromatography.

(3) For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

(4) The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated; refer to laboratory data sheets for specific uncertainty.

(5) Depths reported as metres (m) are metres below ground level unless are labelled as leachate head above base of sump.

(6) For details of the sampling method, frequency and parameters measured / analysed for, refer to the site Environmental Monitoring Management Plan (EMMP).

(7) Where blank, there is no defined compliance limit specified for the monitoring location / parameter.

Signature:.....

Date: 28 March 2023

(Authorised to sign as representative of
Operator)