

Operator: CWM Environmental Ltd
Permit: CP3735PB

Installation: Nantycaws Landfill Site
Form: Leachate Q2 2021

Reporting of leachate monitoring for the period from 01-Apr-2021 to 30-Jun-2021

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	20/04/2021		14.73	m
			18/05/2021		14.72	m
			14/06/2021		14.72	m
Groundwater level/dip			20/04/2021		14.55	m
			18/05/2021		14.5	m
			14/06/2021		14.45	m
Leachate level above base of sump/pit base			20/04/2021	3m above base	0.18	m
			18/05/2021	3m above base	0.22	m
			14/06/2021	3m above base	0.27	m
	Total Alkalinity as CaCO ₃	TM043	21/04/2021		4820	mg/l
	Biological oxygen demand	TM045	21/04/2021		38.6	mg/l
	Total organic carbon	TM090	21/04/2021		488	mg/l
	Ammoniacal Nitrogen as N	TM099	21/04/2021	<3,640 mg/l	1220	mg/l
			18/05/2021	<3,640 mg/l	959	mg/l
			14/06/2021	<3,640 mg/l	1180	mg/l
	Chemical oxygen demand (unfiltered)	TM107	21/04/2021		1880	mg/l
	Electrical conductivity @20°C (lab)	TM120	21/04/2021		26300	µS/cm
			18/05/2021		25600	µS/cm
			14/06/2021		28500	µS/cm
	Cadmium (filtered)	TM152	21/04/2021	<0.105 mg/l	<0.0008	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾
Cell 1/2 Sump	Calcium (filtered)	TM152	21/04/2021		25.2	mg/l
	Chromium (filtered)		21/04/2021		0.128	mg/l
	Copper (filtered)		21/04/2021		0.0122	mg/l
	Iron (filtered)		21/04/2021		3.22	mg/l
	Lead (filtered)		21/04/2021		0.00809	mg/l
	Magnesium (filtered)		21/04/2021		34.8	mg/l
	Manganese (filtered)		21/04/2021		0.0956	mg/l
	Nickel (filtered)		21/04/2021		0.21	mg/l
	Potassium (filtered)		21/04/2021		2020	mg/l
	Sodium (filtered)		21/04/2021		2640	mg/l
	Zinc (filtered)		21/04/2021		0.0753	mg/l
	4-Methylphenol	TM176	21/04/2021	<1.6 mg/l	<0.01	mg/l
	Diethyl phthalate		21/04/2021	<0.44 mg/l	<0.01	mg/l
	Chloride	TM184	21/04/2021	<19,000 mg/l	7210	mg/l
			18/05/2021	<19,000 mg/l	7890	mg/l
			14/06/2021	<19,000 mg/l	8640	mg/l
	Sulphate		21/04/2021		<20	mg/l
	Total Oxidised Nitrogen as N		21/04/2021		<1	mg/l
Cell 3/4 Sump	Dichloromethane	TM208	21/04/2021	<0.033 mg/l	<0.003	mg/l
	Mecoprop	TM411	21/04/2021	<0.071 mg/l	0.0625	mg/l
	Base of well/borehole/sump	Field	20/04/2021		11.3	m
			18/05/2021		11.3	m
			14/06/2021		11.3	m
	Groundwater level/dip		20/04/2021		11	m
			18/05/2021		11	m
			14/06/2021		10.97	m
	Leachate level above base of sump/pit base		20/04/2021	2.8m above base	0.3	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
Cell 3/4 Sump	Leachate level above base of sump/pit base	Field	18/05/2021	2.8m above base	0.3	m
			14/06/2021	2.8m above base	0.33	m
	Total Alkalinity as CaCO3	TM043	21/04/2021		3750	mg/l
	Biological oxygen demand	TM045	21/04/2021		46.8	mg/l
	Total organic carbon	TM090	21/04/2021		304	mg/l
	Ammoniacal Nitrogen as N	TM099	21/04/2021	<3,640 mg/l	810	mg/l
			18/05/2021	<3,640 mg/l	857	mg/l
			14/06/2021	<3,640 mg/l	692	mg/l
	Chemical oxygen demand (unfiltered)	TM107	21/04/2021		1140	mg/l
	Electrical conductivity @20°C (lab)	TM120	21/04/2021		15400	µS/cm
			18/05/2021		16500	µS/cm
			14/06/2021		14200	µS/cm
	Cadmium (filtered)	TM152	21/04/2021	<0.105 mg/l	<0.0008	mg/l
	Calcium (filtered)		21/04/2021		143	mg/l
	Chromium (filtered)		21/04/2021		0.0585	mg/l
	Copper (filtered)		21/04/2021		0.0147	mg/l
	Iron (filtered)		21/04/2021		2.4	mg/l
	Lead (filtered)		21/04/2021		<0.002	mg/l
	Magnesium (filtered)		21/04/2021		70.2	mg/l
	Manganese (filtered)		21/04/2021		1.97	mg/l
	Nickel (filtered)		21/04/2021		0.113	mg/l
	Potassium (filtered)		21/04/2021		1050	mg/l
	Sodium (filtered)		21/04/2021		1690	mg/l
	Zinc (filtered)		21/04/2021		0.0625	mg/l
	4-Methylphenol	TM176	21/04/2021	<1.6 mg/l	<0.01	mg/l
	Diethyl phthalate		21/04/2021	<0.44 mg/l	<0.01	mg/l
	Chloride	TM184	21/04/2021	<19,000 mg/l	3270	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾
Cell 3/4 Sump	Chloride	TM184	18/05/2021	<19,000 mg/l	3790	mg/l
			14/06/2021	<19,000 mg/l	3240	mg/l
	Sulphate		21/04/2021		<10	mg/l
	Total Oxidised Nitrogen as N		21/04/2021		5.3	mg/l
	Dichloromethane	TM208	21/04/2021	<0.033 mg/l	<0.003	mg/l
	Mecoprop	TM411	21/04/2021	<0.071 mg/l	0.0179	mg/l
Cell 5 Sump	Base of well/borehole/sump	Field	20/04/2021		5.8	m
			18/05/2021		5.8	m
			14/06/2021		5.8	m
	Groundwater level/dip		20/04/2021		5.4	m
			18/05/2021		5.42	m
			14/06/2021		5.36	m
	Leachate level above base of sump/pit base		20/04/2021	2m above base	0.4	m
			18/05/2021	2m above base	0.38	m
			14/06/2021	2m above base	0.44	m
	Total Alkalinity as CaCO3	TM043	21/04/2021		4700	mg/l
	Biological oxygen demand	TM045	21/04/2021		54.8	mg/l
	Total organic carbon	TM090	21/04/2021		404	mg/l
	Ammoniacal Nitrogen as N	TM099	21/04/2021	<3,640 mg/l	1060	mg/l
			18/05/2021	<3,640 mg/l	1070	mg/l
			14/06/2021	<3,640 mg/l	865	mg/l
	Chemical oxygen demand (unfiltered)	TM107	21/04/2021		1390	mg/l
	Electrical conductivity @20°C (lab)	TM120	21/04/2021		22100	µS/cm
			18/05/2021		20300	µS/cm
			14/06/2021		18000	µS/cm
	Cadmium (filtered)	TM152	21/04/2021	<0.105 mg/l	<0.0008	mg/l
	Calcium (filtered)		21/04/2021		98.5	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
Cell 5 Sump	Chromium (filtered)	TM152	21/04/2021		0.0809	mg/l
	Copper (filtered)		21/04/2021		0.00392	mg/l
	Iron (filtered)		21/04/2021		3.6	mg/l
	Lead (filtered)		21/04/2021		0.00594	mg/l
	Magnesium (filtered)		21/04/2021		79	mg/l
	Manganese (filtered)		21/04/2021		0.791	mg/l
	Nickel (filtered)		21/04/2021		0.113	mg/l
	Potassium (filtered)		21/04/2021		1290	mg/l
	Sodium (filtered)		21/04/2021		2050	mg/l
	Zinc (filtered)		21/04/2021		0.105	mg/l
	4-Methylphenol	TM176	21/04/2021	<0.126 mg/l	<0.01	mg/l
	Diethyl phthalate		21/04/2021	<0.36 mg/l	<0.01	mg/l
	Chloride	TM184	21/04/2021	<19,000 mg/l	5250	mg/l
			18/05/2021	<19,000 mg/l	4990	mg/l
			14/06/2021	<19,000 mg/l	4490	mg/l
	Sulphate		21/04/2021		<10	mg/l
	Total Oxidised Nitrogen as N		21/04/2021		9.7	mg/l
	Dichloromethane	TM208	21/04/2021	<0.066 mg/l	<0.003	mg/l
	Mecoprop	TM411	21/04/2021	<0.14 mg/l	0.0294	mg/l
Cell 6 Sump	Base of well/borehole/sump	Field	20/04/2021		24.6	m
			18/05/2021		24.6	m
			14/06/2021		24.6	m
	Groundwater level/dip		20/04/2021		24.3	m
			18/05/2021		24.32	m
			14/06/2021		24.28	m
	Leachate level above base of sump/pit base		20/04/2021	1.5m above base	0.3	m
			18/05/2021	1.5m above base	0.28	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
Cell 6 Sump	Leachate level above base of sump/pit base	Field	14/06/2021	1.5m above base	0.32	m
	Total Alkalinity as CaCO3	TM043	21/04/2021		4280	mg/l
	Biological oxygen demand	TM045	21/04/2021		64.6	mg/l
	Total organic carbon	TM090	21/04/2021		441	mg/l
	Ammoniacal Nitrogen as N	TM099	21/04/2021	<3,640 mg/l	844	mg/l
			18/05/2021	<3,640 mg/l	437	mg/l
			14/06/2021	<3,640 mg/l	868	mg/l
	Chemical oxygen demand (unfiltered)	TM107	21/04/2021		1400	mg/l
	Electrical conductivity @20°C (lab)	TM120	21/04/2021		9910	µS/cm
			18/05/2021		5510	µS/cm
			14/06/2021		10200	µS/cm
	Cadmium (filtered)	TM152	21/04/2021	<0.105 mg/l	<0.0008	mg/l
	Calcium (filtered)		21/04/2021		41.7	mg/l
	Chromium (filtered)		21/04/2021		0.185	mg/l
	Copper (filtered)		21/04/2021		<0.003	mg/l
	Iron (filtered)		21/04/2021		1.85	mg/l
	Lead (filtered)		21/04/2021		0.00245	mg/l
	Magnesium (filtered)		21/04/2021		27.3	mg/l
	Manganese (filtered)		21/04/2021		0.637	mg/l
	Nickel (filtered)		21/04/2021		0.0948	mg/l
	Potassium (filtered)		21/04/2021		340	mg/l
	Sodium (filtered)		21/04/2021		832	mg/l
	Zinc (filtered)		21/04/2021		0.033	mg/l
	4-Methylphenol	TM176	21/04/2021	<0.126 mg/l	<0.01	mg/l
	Diethyl phthalate		21/04/2021	<0.36 mg/l	<0.01	mg/l
	Chloride	TM184	21/04/2021	<19,000 mg/l	1030	mg/l
			18/05/2021	<19,000 mg/l	620	mg/l

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Cell 6 Sump	Chloride	TM184	14/06/2021	<19,000 mg/l	1190	mg/l
	Sulphate		21/04/2021		<10	mg/l
	Total Oxidised Nitrogen as N		21/04/2021		0.784	mg/l
	Dichloromethane	TM208	21/04/2021	<0.066 mg/l	<0.003	mg/l
	Mecoprop	TM411	21/04/2021	<0.14 mg/l	0.00548	mg/l
Cell 7 Sump	Base of well/borehole/sump	Field	20/04/2021		23	m
			18/05/2021		23	m
			14/06/2021		23	m
			20/04/2021		22.76	m
			18/05/2021		22.52	m
	Groundwater level/dip		14/06/2021		22.58	m
			20/04/2021	1.5m above base	0.24	m
			18/05/2021	1.5m above base	0.48	m
			14/06/2021	1.5m above base	0.42	m
			21/04/2021		7480	mg/l
	Total Alkalinity as CaCO3	TM043	21/04/2021		122	mg/l
	Biological oxygen demand	TM045	21/04/2021		794	mg/l
	Total organic carbon	TM090	21/04/2021		1540	mg/l
	Ammoniacal Nitrogen as N	TM099	21/04/2021	<3,640 mg/l	1540	mg/l
			18/05/2021	<3,640 mg/l	650	mg/l
			14/06/2021	<3,640 mg/l	1370	mg/l
	Chemical oxygen demand (unfiltered)	TM107	21/04/2021		2530	mg/l
	Electrical conductivity @20°C (lab)	TM120	21/04/2021		16900	µS/cm
			18/05/2021		8050	µS/cm
			14/06/2021		15300	µS/cm
	Cadmium (filtered)	TM152	21/04/2021	<0.105 mg/l	<0.0008	mg/l
	Calcium (filtered)		21/04/2021		55.6	mg/l
	Chromium (filtered)		21/04/2021		0.33	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾
Cell 7 Sump	Copper (filtered)	TM152	21/04/2021		<0.003	mg/l
	Iron (filtered)		21/04/2021		3.34	mg/l
	Lead (filtered)		21/04/2021		0.00388	mg/l
	Magnesium (filtered)		21/04/2021		50.4	mg/l
	Manganese (filtered)		21/04/2021		0.756	mg/l
	Nickel (filtered)		21/04/2021		0.166	mg/l
	Potassium (filtered)		21/04/2021		649	mg/l
	Sodium (filtered)		21/04/2021		1580	mg/l
	Zinc (filtered)		21/04/2021		0.0734	mg/l
	4-Methylphenol	TM176	21/04/2021	<0.126 mg/l	<0.01	mg/l
	Diethyl phthalate		21/04/2021	<0.36 mg/l	<0.01	mg/l
	Chloride	TM184	21/04/2021	<19,000 mg/l	1880	mg/l
			18/05/2021	<19,000 mg/l	975	mg/l
Leachate Holding Lagoon			14/06/2021	<19,000 mg/l	1860	mg/l
	Sulphate		21/04/2021		<20	mg/l
	Total Oxidised Nitrogen as N		21/04/2021		<1	mg/l
	Dichloromethane	TM208	21/04/2021	<0.066 mg/l	<0.003	mg/l
	Mecoprop	TM411	21/04/2021	<0.14 mg/l	0.0151	mg/l
	Base of well/borehole/sump	Field	20/04/2021		8.5	m
			18/05/2021		8.5	m
			14/06/2021		8.5	m
	Groundwater level/dip		20/04/2021		8	m
			18/05/2021		3.2	m
			14/06/2021		3.7	m
	Total Alkalinity as CaCO3	TM043	21/04/2021		4850	mg/l
	Biological oxygen demand	TM045	21/04/2021		43.7	mg/l
	Total organic carbon	TM090	21/04/2021		440	mg/l

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Leachate Holding Lagoon	Ammoniacal Nitrogen as N	TM099	21/04/2021	<3,640 mg/l	1080	mg/l
			18/05/2021	<3,640 mg/l	840	mg/l
			14/06/2021	<3,640 mg/l	733	mg/l
	Chemical oxygen demand (unfiltered)	TM107	21/04/2021		1480	mg/l
	Electrical conductivity @20°C (lab)	TM120	21/04/2021		18900	µS/cm
			18/05/2021		15200	µS/cm
			14/06/2021		13500	µS/cm
	Cadmium (filtered)	TM152	21/04/2021		<0.0008	mg/l
	Calcium (filtered)		21/04/2021		81.7	mg/l
	Chromium (filtered)		21/04/2021		0.111	mg/l
	Copper (filtered)		21/04/2021		<0.003	mg/l
	Iron (filtered)		21/04/2021		3.84	mg/l
	Lead (filtered)		21/04/2021		0.00436	mg/l
	Magnesium (filtered)		21/04/2021		61.7	mg/l
	Manganese (filtered)		21/04/2021		0.69	mg/l
	Nickel (filtered)		21/04/2021		0.105	mg/l
	Potassium (filtered)		21/04/2021		998	mg/l
	Sodium (filtered)		21/04/2021		1670	mg/l
	Zinc (filtered)		21/04/2021		0.0644	mg/l
	4-Methylphenol		21/04/2021		<0.01	mg/l
	Diethyl phthalate		21/04/2021		<0.01	mg/l
	Chloride	TM184	21/04/2021	<19,000 mg/l	3820	mg/l
			18/05/2021	<19,000 mg/l	3550	mg/l
			14/06/2021	<19,000 mg/l	2930	mg/l
	Sulphate		21/04/2021		<20	mg/l
	Total Oxidised Nitrogen as N		21/04/2021		<1	mg/l
	Dichloromethane	TM208	21/04/2021		<0.003	mg/l

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Leachate Holding Lagoor	Mecoprop	TM411	21/04/2021		0.0195	mg/l
LMP5a	Base of well/borehole/sump	Field	20/04/2021		8.5	m
			18/05/2021		8.5	m
			14/06/2021		8.5	m
	Groundwater level/dip		20/04/2021		DRY	m
			18/05/2021		DRY	m
			14/06/2021		DRY	m
LMP5b	Base of well/borehole/sump		20/04/2021		6.8	m
			18/05/2021		6.8	m
			14/06/2021		6.8	m
	Groundwater level/dip		20/04/2021		DRY	m
			18/05/2021		DRY	m
			14/06/2021		DRY	m
LMP6a	Base of well/borehole/sump		20/04/2021		11.4	m
			18/05/2021		11.4	m
			14/06/2021		11.4	m
	Groundwater level/dip		20/04/2021		11.35	m
			18/05/2021		DRY	m
			14/06/2021		DRY	m
	Leachate level above base of sump/pit base		20/04/2021	1.5m above base	0.05	m
LMP7a	Base of well/borehole/sump		20/04/2021		10.48	m
			18/05/2021		10.48	m
			14/06/2021		10.48	m
	Groundwater level/dip		20/04/2021		10.36	m
			18/05/2021		10.3	m
			14/06/2021		10.26	m
	Leachate level above base of sump/pit base		20/04/2021	1.5m above base	0.12	m

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LMP7a	Leachate level above base of sump/pit base	Field	18/05/2021	1.5m above base	0.18	m
			14/06/2021	1.5m above base	0.22	m
			20/04/2021		4	m
LMP7b	Base of well/borehole/sump		18/05/2021		4	m
			14/06/2021		4	m
			20/04/2021		3.98	m
	Groundwater level/dip		18/05/2021		3.92	m
			14/06/2021		3.96	m
			20/04/2021			
	Leachate level above base of sump/pit base		20/04/2021	1.5m above base	0.02	m
			18/05/2021	1.5m above base	0.08	m
			14/06/2021	1.5m above base	0.04	m
M1A	Base of well/borehole/sump		20/04/2021		16.41	m
			18/05/2021		16.4	m
			14/06/2021		16.4	m
	Groundwater level/dip		20/04/2021		16.18	m
			18/05/2021		16.26	m
			14/06/2021		16.16	m
	Leachate level above base of sump/pit base		20/04/2021	2m above base	0.23	m
			18/05/2021	2m above base	0.14	m
			14/06/2021	2m above base	0.24	m
M1B	Base of well/borehole/sump		20/04/2021		10.5	m
			18/05/2021		10.5	m
			14/06/2021		10.5	m
	Groundwater level/dip		20/04/2021		10.2	m
			18/05/2021		10.3	m
			14/06/2021		10.21	m
	Leachate level above base of sump/pit base		20/04/2021	2m above base	0.3	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾
M1B	Leachate level above base of sump/pit base	Field	18/05/2021	2m above base	0.2	m
M2A	Base of well/borehole/sump		14/06/2021	2m above base	0.29	m
			20/04/2021		20.7	m
			18/05/2021		20.7	m
	Groundwater level/dip		14/06/2021		20.7	m
			20/04/2021		DRY	m
			18/05/2021		20.47	m
	Leachate level above base of sump/pit base		14/06/2021		20.38	m
			18/05/2021	2m above base	0.23	m
M2B	Base of well/borehole/sump		14/06/2021	2m above base	0.32	m
			20/04/2021		19.65	m
			18/05/2021		19.65	m
	Groundwater level/dip		14/06/2021		19.68	m
			20/04/2021		19.3	m
			18/05/2021		19.29	m
	Leachate level above base of sump/pit base		14/06/2021		19.33	m
			20/04/2021	2m above base	0.35	m
M3A	Base of well/borehole/sump		18/05/2021	2m above base	0.36	m
			14/06/2021	2m above base	0.35	m
			20/04/2021		21.38	m
	Groundwater level/dip		18/05/2021		21.38	m
			14/06/2021		21.38	m
			20/04/2021		21.3	m
	Leachate level above base of sump/pit base		18/05/2021		21	m
			14/06/2021		19.87	m
	Leachate level above base of sump/pit base		20/04/2021	1.8m above base	0.08	m
			18/05/2021	1.8m above base	0.38	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾
M3A	Leachate level above base of sump/pit base	Field	14/06/2021	1.8m above base	1.51	m
M3B	Base of well/borehole/sump		20/04/2021		15.54	m
			18/05/2021		15.54	m
			14/06/2021		15.54	m
	Groundwater level/dip		20/04/2021		15.53	m
			18/05/2021		15.26	m
			14/06/2021		15.22	m
	Leachate level above base of sump/pit base		20/04/2021	1.8m above base	0.01	m
			18/05/2021	1.8m above base	0.28	m
			14/06/2021	1.8m above base	0.32	m
M4A	Base of well/borehole/sump		20/04/2021		19	m
			18/05/2021		19	m
			14/06/2021		19	m
	Groundwater level/dip		20/04/2021		18.85	m
			18/05/2021		18.8	m
			14/06/2021		18.73	m
	Leachate level above base of sump/pit base		20/04/2021	1.8m above base	0.15	m
			18/05/2021	1.8m above base	0.2	m
			14/06/2021	1.8m above base	0.27	m
M4B	Base of well/borehole/sump		20/04/2021		17	m
			18/05/2021		17	m
			14/06/2021		17	m
	Groundwater level/dip		20/04/2021		16.92	m
			18/05/2021		16.87	m
			14/06/2021		16.73	m
	Leachate level above base of sump/pit base		20/04/2021	1.8m above base	0.08	m
			18/05/2021	1.8m above base	0.13	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾
M4B	Leachate level above base of sump/pit base	Field	14/06/2021	1.8m above base	0.27	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.

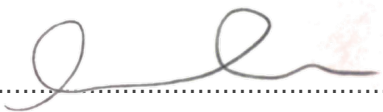
(3) For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

(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: 23 June 2021

(Authorised to sign as representative of
Operator)