

Operator: CWM Environmental Ltd
Permit: CP3735PB

Installation: Nantycaws Landfill Site
Form: Leachate Q3 2023

Reporting of leachate monitoring for the period from 01-Jul-2023 to 30-Sep-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	12/07/2023		13.82	m
			09/08/2023		15.1	m
			12/09/2023		13.75	m
	Groundwater level/dip		12/07/2023		13.46	m
			09/08/2023		14.4	m
			12/09/2023		13.54	m
	Leachate level above base of sump/pit base		12/07/2023	3m above base	0.36	m
			09/08/2023	3m above base	0.7	m
			12/09/2023	3m above base	0.21	m
	Biological oxygen demand	TM045	12/07/2023		156	mg/l
	Total organic carbon	TM090	12/07/2023		770	mg/l
	Ammoniacal Nitrogen as N	TM099	12/07/2023	<3,640 mg/l	1560	mg/l
			09/08/2023	<3,640 mg/l	1320	mg/l
			12/09/2023	<3,640 mg/l	53.6	mg/l
	Chemical oxygen demand (unfiltered)	TM107	12/07/2023		3330	mg/l
	Cadmium (filtered)	TM152	12/07/2023	<0.105 mg/l	0.000212	mg/l
	Calcium (filtered)		12/07/2023		11.5	mg/l
	Chromium (filtered)		12/07/2023		0.0566	mg/l
	Copper (filtered)		12/07/2023		0.024	mg/l
	Iron (filtered)		12/07/2023		1.85	mg/l
	Lead (filtered)		12/07/2023		0.0106	mg/l
	Magnesium (filtered)		12/07/2023		19.6	mg/l
	Manganese (filtered)		12/07/2023		0.0321	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
Cell 1/2 Sump	Nickel (filtered)	TM152	12/07/2023		0.11	mg/l
	Potassium (filtered)		12/07/2023		3280	mg/l
	Sodium (filtered)		12/07/2023		5050	mg/l
	Zinc (filtered)		12/07/2023		0.119	mg/l
	4-Methylphenol	TM176	12/07/2023	<1.6 mg/l	<0.02	mg/l
	Diethyl phthalate		12/07/2023	<0.44 mg/l	<0.02	mg/l
	Chloride	TM184	12/07/2023	<19,000 mg/l	14000	mg/l
			09/08/2023	<19,000 mg/l	14100	mg/l
			12/09/2023	<19,000 mg/l	870	mg/l
	Sulphate		12/07/2023		13.2	mg/l
	Total Oxidised Nitrogen as N		12/07/2023		9.38	mg/l
	Dichloromethane	TM208	12/07/2023	<0.033 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	12/07/2023		39000	µS/cm
			09/08/2023		43600	µS/cm
			12/09/2023		4470	µS/cm
	Total Alkalinity as CaCO3		12/07/2023		5740	mg/l
	Mecoprop	TM411	12/07/2023	<0.071 mg/l	0.106	mg/l
Cell 3/4 Sump	Base of well/borehole/sump	Field	12/07/2023		10.98	m
			09/08/2023		11	m
			12/09/2023		10.96	m
	Groundwater level/dip		12/07/2023		10.24	m
			09/08/2023		10.67	m
			12/09/2023		10.22	m
	Leachate level above base of sump/pit base		12/07/2023	2.8m above base	0.74	m
			09/08/2023	2.8m above base	0.33	m
			12/09/2023	2.8m above base	0.74	m
	Biological oxygen demand	TM045	12/07/2023		89.2	mg/l
	Total organic carbon	TM090	12/07/2023		414	mg/l
	Ammoniacal Nitrogen as N	TM099	12/07/2023	<3,640 mg/l	1010	mg/l
			09/08/2023	<3,640 mg/l	900	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	12/09/2023	<3,640 mg/l	837	mg/l
	Chemical oxygen demand (unfiltered)	TM107	12/07/2023		1370	mg/l
	Cadmium (filtered)	TM152	12/07/2023	<0.105 mg/l	<0.00008	mg/l
	Calcium (filtered)		12/07/2023		47.2	mg/l
	Chromium (filtered)		12/07/2023		0.0409	mg/l
	Copper (filtered)		12/07/2023		0.0015	mg/l
	Iron (filtered)		12/07/2023		1.98	mg/l
	Lead (filtered)		12/07/2023		0.00137	mg/l
	Magnesium (filtered)		12/07/2023		17.4	mg/l
	Manganese (filtered)		12/07/2023		0.448	mg/l
	Nickel (filtered)		12/07/2023		0.0677	mg/l
	Potassium (filtered)		12/07/2023		224	mg/l
	Sodium (filtered)		12/07/2023		1220	mg/l
	Zinc (filtered)		12/07/2023		0.0264	mg/l
	4-Methylphenol	TM176	12/07/2023	<1.6 mg/l	<0.01	mg/l
	Diethyl phthalate		12/07/2023	<0.44 mg/l	<0.01	mg/l
	Chloride	TM184	12/07/2023	<19,000 mg/l	1650	mg/l
			09/08/2023	<19,000 mg/l	1600	mg/l
			12/09/2023	<19,000 mg/l	1580	mg/l
	Sulphate		12/07/2023		103	mg/l
	Total Oxidised Nitrogen as N		12/07/2023		1.84	mg/l
	Dichloromethane	TM208	12/07/2023	<0.033 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	12/07/2023		11900	µS/cm
			09/08/2023		10800	µS/cm
			12/09/2023		9800	µS/cm
	Total Alkalinity as CaCO3		12/07/2023		4830	mg/l
	Mecoprop	TM411	12/07/2023	<0.071 mg/l	0.028	mg/l
Cell 5 Sump	Base of well/borehole/sump	Field	12/07/2023		5.9	m
			09/08/2023		6.1	m
			12/09/2023		5.9	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	12/07/2023		5.1	m
			09/08/2023		5.89	m
			12/09/2023		5.15	m
	Leachate level above base of sump/pit base		12/07/2023	2m above base	0.8	m
			09/08/2023	2m above base	0.21	m
			12/09/2023	2m above base	0.75	m
	Biological oxygen demand	TM045	12/07/2023		79.9	mg/l
	Total organic carbon	TM090	12/07/2023		580	mg/l
	Ammoniacal Nitrogen as N	TM099	12/07/2023	<3,640 mg/l	1670	mg/l
			09/08/2023	<3,640 mg/l	1090	mg/l
			12/09/2023	<3,640 mg/l	767	mg/l
	Chemical oxygen demand (unfiltered)	TM107	12/07/2023		1990	mg/l
	Cadmium (filtered)	TM152	12/07/2023	<0.105 mg/l	<0.00008	mg/l
	Calcium (filtered)		12/07/2023		18.6	mg/l
	Chromium (filtered)		12/07/2023		0.0288	mg/l
	Copper (filtered)		12/07/2023		0.00231	mg/l
	Iron (filtered)		12/07/2023		2.05	mg/l
	Lead (filtered)		12/07/2023		0.002	mg/l
	Magnesium (filtered)		12/07/2023		28.8	mg/l
	Manganese (filtered)		12/07/2023		0.15	mg/l
	Nickel (filtered)		12/07/2023		0.041	mg/l
	Potassium (filtered)		12/07/2023		2170	mg/l
	Sodium (filtered)		12/07/2023		3130	mg/l
	Zinc (filtered)		12/07/2023		0.0338	mg/l
	4-Methylphenol	TM176	12/07/2023	<0.126 mg/l	<0.04	mg/l
	Diethyl phthalate		12/07/2023	<0.36 mg/l	<0.04	mg/l
	Chloride	TM184	12/07/2023	<19,000 mg/l	8720	mg/l
			09/08/2023	<19,000 mg/l	6140	mg/l
			12/09/2023	<19,000 mg/l	6000	mg/l
	Sulphate		12/07/2023		<40	mg/l

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Cell 5 Sump	Total Oxidised Nitrogen as N	TM184	12/07/2023		1.71	mg/l
	Dichloromethane	TM208	12/07/2023	<0.066 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	12/07/2023		29700	µS/cm
			09/08/2023		22300	µS/cm
			12/09/2023		20300	µS/cm
	Total Alkalinity as CaCO3		12/07/2023		6750	mg/l
	Mecoprop	TM411	12/07/2023	<0.14 mg/l	0.0421	mg/l
	Cell 6 Sump	Base of well/borehole/sump	12/07/2023		25.6	m
			09/08/2023		26.5	m
			12/09/2023		25.62	m
		Groundwater level/dip	12/07/2023		24.18	m
			09/08/2023		25.99	m
			12/09/2023		24.18	m
		Leachate level above base of sump/pit base	12/07/2023	1.5m above base	1.42	m
			09/08/2023	1.5m above base	0.51	m
			12/09/2023	1.5m above base	1.44	m
	Biological oxygen demand	TM045	12/07/2023		90.5	mg/l
	Total organic carbon	TM090	12/07/2023		416	mg/l
	Ammoniacal Nitrogen as N	TM099	12/07/2023	<3,640 mg/l	1040	mg/l
			09/08/2023	<3,640 mg/l	523	mg/l
			12/09/2023	<3,640 mg/l	91.8	mg/l
	Chemical oxygen demand (unfiltered)	TM107	12/07/2023		1520	mg/l
	Cadmium (filtered)	TM152	12/07/2023	<0.105 mg/l	<0.00008	mg/l
	Calcium (filtered)		12/07/2023		34.5	mg/l
	Chromium (filtered)		12/07/2023		0.0667	mg/l
	Copper (filtered)		12/07/2023		0.00126	mg/l
	Iron (filtered)		12/07/2023		1.48	mg/l
	Lead (filtered)		12/07/2023		0.00159	mg/l
	Magnesium (filtered)		12/07/2023		24.4	mg/l
	Manganese (filtered)		12/07/2023		0.14	mg/l

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Cell 6 Sump	Nickel (filtered)	TM152	12/07/2023		0.0591	mg/l
	Potassium (filtered)		12/07/2023		235	mg/l
	Sodium (filtered)		12/07/2023		1210	mg/l
	Zinc (filtered)		12/07/2023		0.0444	mg/l
	4-Methylphenol	TM176	12/07/2023	<0.126 mg/l	<0.02	mg/l
	Diethyl phthalate		12/07/2023	<0.36 mg/l	<0.02	mg/l
	Chloride	TM184	12/07/2023	<19,000 mg/l	1410	mg/l
			09/08/2023	<19,000 mg/l	1420	mg/l
			12/09/2023	<19,000 mg/l	1500	mg/l
	Sulphate		12/07/2023		58.7	mg/l
	Total Oxidised Nitrogen as N		12/07/2023		1.65	mg/l
	Dichloromethane	TM208	12/07/2023	<0.066 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	12/07/2023		11700	µS/cm
			09/08/2023		8700	µS/cm
			12/09/2023		7280	µS/cm
	Total Alkalinity as CaCO3		12/07/2023		5250	mg/l
	Mecoprop	TM411	12/07/2023	<0.14 mg/l	0.0157	mg/l
Cell 7 Sump	Base of well/borehole/sump	Field	12/07/2023		26.48	m
			09/08/2023		27	m
			12/09/2023		26.35	m
	Groundwater level/dip		12/07/2023		25.67	m
			09/08/2023		26.78	m
			12/09/2023		25.84	m
	Leachate level above base of sump/pit base		12/07/2023	1.5m above base	0.81	m
			09/08/2023	1.5m above base	0.22	m
			12/09/2023	1.5m above base	0.51	m
	Biological oxygen demand	TM045	12/07/2023		145	mg/l
	Total organic carbon	TM090	12/07/2023		660	mg/l
	Ammoniacal Nitrogen as N	TM099	12/07/2023	<3,640 mg/l	1120	mg/l
			09/08/2023	<3,640 mg/l	300	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾
Cell 7 Sump	Ammoniacal Nitrogen as N	TM099	12/09/2023	<3,640 mg/l	102	mg/l
	Chemical oxygen demand (unfiltered)	TM107	12/07/2023		2140	mg/l
	Cadmium (filtered)	TM152	12/07/2023	<0.105 mg/l	<0.00008	mg/l
	Calcium (filtered)		12/07/2023		44.7	mg/l
	Chromium (filtered)		12/07/2023		0.114	mg/l
	Copper (filtered)		12/07/2023		0.00214	mg/l
	Iron (filtered)		12/07/2023		1.8	mg/l
	Lead (filtered)		12/07/2023		0.00196	mg/l
	Magnesium (filtered)		12/07/2023		32.9	mg/l
	Manganese (filtered)		12/07/2023		0.447	mg/l
	Nickel (filtered)		12/07/2023		0.0804	mg/l
	Potassium (filtered)		12/07/2023		567	mg/l
	Sodium (filtered)		12/07/2023		1380	mg/l
	Zinc (filtered)		12/07/2023		0.044	mg/l
	4-Methylphenol	TM176	12/07/2023	<0.126 mg/l	<0.02	mg/l
	Diethyl phthalate		12/07/2023	<0.36 mg/l	<0.02	mg/l
	Chloride	TM184	12/07/2023	<19,000 mg/l	1780	mg/l
			09/08/2023	<19,000 mg/l	1480	mg/l
			12/09/2023	<19,000 mg/l	2110	mg/l
	Sulphate		12/07/2023		506	mg/l
	Total Oxidised Nitrogen as N		12/07/2023		14.1	mg/l
	Dichloromethane	TM208	12/07/2023	<0.066 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	12/07/2023		13300	µS/cm
			09/08/2023		7870	µS/cm
			12/09/2023		9250	µS/cm
	Total Alkalinity as CaCO3		12/07/2023		5470	mg/l
	Mecoprop	TM411	12/07/2023	<0.14 mg/l	0.0187	mg/l
Leachate Holding Lagoon	Base of well/borehole/sump	Field	12/07/2023		8.5	m
			09/08/2023		8.5	m
			12/09/2023		8.5	m

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Leachate Holding Lagoon	Groundwater level/dip	Field	12/07/2023		2.46	m
			09/08/2023		2.5	m
			12/09/2023		2.7	m
	Biological oxygen demand	TM045	12/07/2023		47.1	mg/l
	Total organic carbon	TM090	12/07/2023		431	mg/l
	Ammoniacal Nitrogen as N	TM099	12/07/2023	<3,640 mg/l	1180	mg/l
			09/08/2023	<3,640 mg/l	1200	mg/l
			12/09/2023	<3,640 mg/l	1230	mg/l
	Chemical oxygen demand (unfiltered)	TM107	12/07/2023		1630	mg/l
	Cadmium (filtered)	TM152	12/07/2023		<0.00008	mg/l
	Calcium (filtered)		12/07/2023		84.5	mg/l
	Chromium (filtered)		12/07/2023		0.0906	mg/l
	Copper (filtered)		12/07/2023		0.00134	mg/l
	Iron (filtered)		12/07/2023		1.22	mg/l
	Lead (filtered)		12/07/2023		0.000956	mg/l
	Magnesium (filtered)		12/07/2023		69.2	mg/l
	Manganese (filtered)		12/07/2023		0.578	mg/l
	Nickel (filtered)		12/07/2023		0.115	mg/l
	Potassium (filtered)		12/07/2023		1190	mg/l
	Sodium (filtered)		12/07/2023		2130	mg/l
	Zinc (filtered)		12/07/2023		0.0232	mg/l
	4-Methylphenol	TM176	12/07/2023		<0.02	mg/l
	Diethyl phthalate		12/07/2023		<0.02	mg/l
	Chloride	TM184	12/07/2023	<19,000 mg/l	4520	mg/l
			09/08/2023	<19,000 mg/l	4780	mg/l
			12/09/2023	<19,000 mg/l	4680	mg/l
	Sulphate		12/07/2023		120	mg/l
	Total Oxidised Nitrogen as N		12/07/2023		<1	mg/l
	Dichloromethane	TM208	12/07/2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	12/07/2023		18600	µS/cm

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Leachate Holding Lagoon	Electrical conductivity @20°C (lab)	TM256	09/08/2023		20600	µS/cm	
			12/09/2023		20500	µS/cm	
			12/07/2023		5380	mg/l	
		Total Alkalinity as CaCO3		12/07/2023		0.0295	mg/l
	LMP5a	Mecoprop	TM411	12/07/2023		8.5	m
		Base of well/borehole/sump	Field	12/07/2023		8.5	m
				09/08/2023		8.5	m
	12/09/2023				8.5	m	
		Groundwater level/dip		12/07/2023		DRY	m
	09/08/2023			DRY	m		
	12/09/2023			DRY	m		
	Leachate level above base of sump/pit base		12/07/2023	1.5m above base	-1.7	m	
			09/08/2023	1.5m above base	0	m	
			12/09/2023	1.5m above base	0	m	
	LMP5b	Base of well/borehole/sump		12/07/2023		6.8	m
				09/08/2023		6.8	m
				12/09/2023		6.8	m
		Groundwater level/dip		12/07/2023		DRY	m
			09/08/2023		DRY	m	
			12/09/2023		DRY	m	
	Leachate level above base of sump/pit base		12/07/2023	1.5m above base	0	m	
			09/08/2023	1.5m above base	0	m	
			12/09/2023	1.5m above base	0	m	
	LMP6a	Base of well/borehole/sump		12/07/2023		19.14	m
				09/08/2023		19.8	m
				12/09/2023		19.1	m
		Groundwater level/dip		12/07/2023		DRY	m
			09/08/2023		DRY	m	
			12/09/2023		DRY	m	
	Leachate level above base of sump/pit base		12/07/2023	1.5m above base	0	m	
			09/08/2023	1.5m above base	0.66	m	

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LMP6a	Leachate level above base of sump/pit base	Field	12/09/2023	1.5m above base	-0.04	m
LMP7a	Base of well/borehole/sump		12/07/2023		10.56	m
			09/08/2023		10.8	m
			12/09/2023		10.5	m
	Groundwater level/dip		12/07/2023		10.24	m
			09/08/2023		10.64	m
			12/09/2023		10.28	m
	Leachate level above base of sump/pit base		12/07/2023	1.5m above base	0.32	m
			09/08/2023	1.5m above base	0.16	m
			12/09/2023	1.5m above base	0.22	m
LMP7b	Base of well/borehole/sump		12/07/2023		4	m
			09/08/2023		4	m
			12/09/2023		4	m
	Groundwater level/dip		12/07/2023		3.87	m
			09/08/2023		3.92	m
			12/09/2023		3.9	m
	Leachate level above base of sump/pit base		12/07/2023	1.5m above base	0.13	m
			09/08/2023	1.5m above base	0.08	m
			12/09/2023	1.5m above base	0.1	m
M1A	Base of well/borehole/sump		12/07/2023		16.41	m
			09/08/2023		16.5	m
			12/09/2023		16.38	m
	Groundwater level/dip		12/07/2023		15.81	m
			09/08/2023		16.1	m
			12/09/2023		15.98	m
	Leachate level above base of sump/pit base		12/07/2023	2m above base	0.6	m
			09/08/2023	2m above base	0.4	m
			12/09/2023	2m above base	0.4	m
M1B	Base of well/borehole/sump		12/07/2023		10.7	m
			09/08/2023		11	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾	
M1B	Base of well/borehole/sump	Field	12/09/2023		10.68	m	
			12/07/2023		10.35	m	
			09/08/2023		10.56	m	
				12/09/2023		10.37	m
	Leachate level above base of sump/pit base		12/07/2023	2m above base	0.35	m	
			09/08/2023	2m above base	-1.7	m	
			12/09/2023	2m above base	0.31	m	
	M2A	Base of well/borehole/sump		12/07/2023		19.1	m
				09/08/2023		21.8	m
			12/09/2023		19.1	m	
Groundwater level/dip			12/07/2023		DRY	m	
			09/08/2023		DRY	m	
			12/09/2023		dry	m	
Leachate level above base of sump/pit base			12/07/2023	2m above base	0	m	
			09/08/2023	2m above base	0.04	m	
			12/09/2023	2m above base	0	m	
M2B	Base of well/borehole/sump		12/07/2023		19.78	m	
			09/08/2023		20	m	
			12/09/2023		19.72	m	
	Groundwater level/dip		12/07/2023		19.32	m	
			09/08/2023		19.78	m	
			12/09/2023		19.36	m	
	Leachate level above base of sump/pit base		12/07/2023	2m above base	0.46	m	
			09/08/2023	2m above base	0.22	m	
			12/09/2023	2m above base	0.36	m	
M3A	Base of well/borehole/sump		12/07/2023		21.56	m	
			09/08/2023		22	m	
			12/09/2023		21.48	m	
	Groundwater level/dip		12/07/2023		21.08	m	
			09/08/2023		21.56	m	

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
M3A	Groundwater level/dip	Field	12/09/2023		20.13	m
	Leachate level above base of sump/pit base		12/07/2023	1.8m above base	0.48	m
			09/08/2023	1.8m above base	0.44	m
M3B	Base of well/borehole/sump		12/09/2023	1.8m above base	1.35	m
			12/07/2023		15.6	m
			09/08/2023		16	m
	Groundwater level/dip		12/09/2023		15.62	m
			12/07/2023		15.23	m
			09/08/2023		15.89	m
	Leachate level above base of sump/pit base		12/09/2023		15.2	m
			12/07/2023	1.8m above base	0.37	m
			09/08/2023	1.8m above base	0.11	m
M4A	Base of well/borehole/sump		12/09/2023	1.8m above base	0.42	m
			12/07/2023		18.76	m
			09/08/2023		19.1	m
	Groundwater level/dip		12/09/2023		18.58	m
			12/07/2023		18.17	m
			09/08/2023		18.89	m
	Leachate level above base of sump/pit base		12/09/2023		18.1	m
			12/07/2023	1.8m above base	0.59	m
			09/08/2023	1.8m above base	0.21	m
M4B	Base of well/borehole/sump		12/09/2023	1.8m above base	0.48	m
			12/07/2023		16.98	m
			09/08/2023		17	m
	Groundwater level/dip		12/09/2023		16.9	m
			12/07/2023		16.82	m
			09/08/2023		16.89	m
	Leachate level above base of sump/pit base		12/09/2023		16.52	m
			12/07/2023	1.8m above base	0.16	m
			09/08/2023	1.8m above base	0.11	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	12/09/2023	1.8m above base	0.38	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 September 2023

(Authorised to sign as representative of
Operator)