

Operator: CWM Environmental Ltd
Permit: CP3735PB

Installation: Nantycaws Landfill Site
Form: Leachate Q2 2022

Reporting of leachate monitoring for the period from 01-Apr-2022 to 30-Jun-2022

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	13/04/2022		14.7	m
			11/05/2022		14.7	m
			14/06/2022		14.7	m
	Groundwater level/dip		13/04/2022		14.33	m
			11/05/2022		14.38	m
			14/06/2022		14.58	m
	Leachate level above base of sump/pit base		13/04/2022	3m above base	0.37	m
			11/05/2022	3m above base	0.32	m
			14/06/2022	3m above base	0.12	m
	Total Alkalinity as CaCO3	TM043	13/04/2022		960	mg/l
	Biological oxygen demand	TM045	13/04/2022		46.7	mg/l
	Total organic carbon	TM090	13/04/2022		238	mg/l
	Ammoniacal Nitrogen as N	TM099	13/04/2022	<3,640 mg/l	273	mg/l
			11/05/2022	<3,640 mg/l	558	mg/l
			14/06/2022	<3,640 mg/l	204	mg/l
	Chemical oxygen demand (unfiltered)	TM107	13/04/2022		970	mg/l
	Cadmium (filtered)	TM152	14/06/2022	<0.105 mg/l	0.000152	mg/l
	Calcium (filtered)		14/06/2022		27.3	mg/l
	Chromium (filtered)		14/06/2022		0.0199	mg/l
	Copper (filtered)		14/06/2022		0.0584	mg/l
	Iron (filtered)		14/06/2022		0.717	mg/l
	Lead (filtered)		14/06/2022		0.00305	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
Cell 1/2 Sump	Magnesium (filtered)	TM152	14/06/2022		23.5	mg/l
	Manganese (filtered)		14/06/2022		0.228	mg/l
	Nickel (filtered)		14/06/2022		0.0407	mg/l
	Potassium (filtered)		14/06/2022		460	mg/l
	Sodium (filtered)		14/06/2022		700	mg/l
	Zinc (filtered)		14/06/2022		0.0684	mg/l
	4-Methylphenol	TM176	13/04/2022	<1.6 mg/l	<0.01	mg/l
	Diethyl phthalate		13/04/2022	<0.44 mg/l	<0.01	mg/l
	Chloride		13/04/2022	<19,000 mg/l	5300	mg/l
		TM184	11/05/2022	<19,000 mg/l	1710	mg/l
			14/06/2022	<19,000 mg/l	1570	mg/l
	Sulphate		13/04/2022		7.6	mg/l
	Total Oxidised Nitrogen as N		13/04/2022		37.3	mg/l
	Dichloromethane	TM208	13/04/2022	<0.033 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	13/04/2022		14300	µS/cm
			11/05/2022		9010	µS/cm
			14/06/2022		6390	µS/cm
	Mecoprop	TM411	13/04/2022	<0.071 mg/l	0.0313	mg/l
Cell 3/4 Sump	Base of well/borehole/sump	Field	13/04/2022		11	m
			11/05/2022		11	m
			14/06/2022		11	m
	Groundwater level/dip		13/04/2022		10.6	m
			11/05/2022		10.63	m
			14/06/2022		10.6	m
	Leachate level above base of sump/pit base		13/04/2022	2.8m above base	0.4	m
			11/05/2022	2.8m above base	0.37	m
			14/06/2022	2.8m above base	0.4	m
	Total Alkalinity as CaCO3	TM043	13/04/2022		4800	mg/l
	Biological oxygen demand	TM045	13/04/2022		>71.1	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
Cell 3/4 Sump	Total organic carbon	TM090	13/04/2022		397	mg/l
	Ammoniacal Nitrogen as N	TM099	13/04/2022	<3,640 mg/l	946	mg/l
			11/05/2022	<3,640 mg/l	1080	mg/l
			14/06/2022	<3,640 mg/l	204	mg/l
	Chemical oxygen demand (unfiltered)	TM107	13/04/2022		1480	mg/l
	Cadmium (filtered)	TM152	14/06/2022	<0.105 mg/l	0.000131	mg/l
	Calcium (filtered)		14/06/2022		27.5	mg/l
	Chromium (filtered)		14/06/2022		0.0203	mg/l
	Copper (filtered)		14/06/2022		0.0503	mg/l
	Iron (filtered)		14/06/2022		0.712	mg/l
	Lead (filtered)		14/06/2022		0.00286	mg/l
	Magnesium (filtered)		14/06/2022		23.6	mg/l
	Manganese (filtered)		14/06/2022		0.228	mg/l
	Nickel (filtered)		14/06/2022		0.0401	mg/l
	Potassium (filtered)		14/06/2022		472	mg/l
	Sodium (filtered)		14/06/2022		714	mg/l
	Zinc (filtered)		14/06/2022		0.06	mg/l
	4-Methylphenol	TM176	13/04/2022	<1.6 mg/l	<0.02	mg/l
	Diethyl phthalate		13/04/2022	<0.44 mg/l	<0.02	mg/l
	Chloride	TM184	13/04/2022	<19,000 mg/l	5920	mg/l
			11/05/2022	<19,000 mg/l	3250	mg/l
			14/06/2022	<19,000 mg/l	1610	mg/l
	Sulphate		13/04/2022		28.9	mg/l
	Total Oxidised Nitrogen as N		13/04/2022		<2	mg/l
	Dichloromethane	TM208	13/04/2022	<0.033 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	13/04/2022		17700	µS/cm
			11/05/2022		14900	µS/cm
			14/06/2022		6490	µS/cm
	Mecoprop	TM411	13/04/2022	<0.071 mg/l	0.0286	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
Cell 5 Sump	Base of well/borehole/sump	Field	13/04/2022		5.7	m
			11/05/2022		5.8	m
			14/06/2022		5.7	m
	Groundwater level/dip		13/04/2022		5.21	m
			11/05/2022		5.43	m
			14/06/2022		5.38	m
	Leachate level above base of sump/pit base		13/04/2022	2m above base	0.49	m
			11/05/2022	2m above base	0.37	m
			14/06/2022	2m above base	0.32	m
	Total Alkalinity as CaCO3	TM043	13/04/2022		4660	mg/l
	Biological oxygen demand	TM045	13/04/2022		56.3	mg/l
	Total organic carbon	TM090	13/04/2022		417	mg/l
	Ammoniacal Nitrogen as N	TM099	13/04/2022	<3,640 mg/l	1080	mg/l
			11/05/2022	<3,640 mg/l	1290	mg/l
			14/06/2022	<3,640 mg/l	1380	mg/l
	Chemical oxygen demand (unfiltered)	TM107	13/04/2022		1390	mg/l
	Cadmium (filtered)	TM152	14/06/2022	<0.105 mg/l	0.000101	mg/l
	Calcium (filtered)		14/06/2022		55	mg/l
	Chromium (filtered)		14/06/2022		0.0486	mg/l
	Copper (filtered)		14/06/2022		0.042	mg/l
	Iron (filtered)		14/06/2022		1.81	mg/l
	Lead (filtered)		14/06/2022		0.00212	mg/l
	Magnesium (filtered)		14/06/2022		42.9	mg/l
	Manganese (filtered)		14/06/2022		0.292	mg/l
	Nickel (filtered)		14/06/2022		0.066	mg/l
	Potassium (filtered)		14/06/2022		798	mg/l
	Sodium (filtered)		14/06/2022		1150	mg/l
	Zinc (filtered)		14/06/2022		0.0716	mg/l
	4-Methylphenol	TM176	13/04/2022	<0.126 mg/l	<0.02	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
Cell 5 Sump	Diethyl phthalate	TM176	13/04/2022	<0.36 mg/l	<0.02	mg/l
	Chloride	TM184	13/04/2022	<19,000 mg/l	5320	mg/l
			11/05/2022	<19,000 mg/l	3400	mg/l
			14/06/2022	<19,000 mg/l	6720	mg/l
	Sulphate		13/04/2022		56.6	mg/l
	Total Oxidised Nitrogen as N		13/04/2022		6.95	mg/l
	Dichloromethane	TM208	13/04/2022	<0.066 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	13/04/2022		16700	µS/cm
			11/05/2022		12600	µS/cm
			14/06/2022		26500	µS/cm
	Mecoprop	TM411	13/04/2022	<0.14 mg/l	0.0255	mg/l
Cell 6 Sump	Base of well/borehole/sump	Field	13/04/2022		24.6	m
			11/05/2022		24.6	m
			14/06/2022		24.6	m
	Groundwater level/dip		13/04/2022		24.28	m
			11/05/2022		24.5	m
			14/06/2022		24.31	m
	Leachate level above base of sump/pit base		13/04/2022	1.5m above base	0.32	m
			11/05/2022	1.5m above base	0.1	m
			14/06/2022	1.5m above base	0.29	m
	Total Alkalinity as CaCO3	TM043	13/04/2022		2940	mg/l
	Biological oxygen demand	TM045	13/04/2022		58.3	mg/l
	Total organic carbon	TM090	13/04/2022		314	mg/l
	Ammoniacal Nitrogen as N	TM099	13/04/2022	<3,640 mg/l	573	mg/l
			14/06/2022	<3,640 mg/l	423	mg/l
	Chemical oxygen demand (unfiltered)	TM107	13/04/2022		933	mg/l
	Cadmium (filtered)	TM152	14/06/2022	<0.105 mg/l	8.37e-05	mg/l
	Calcium (filtered)		14/06/2022		79.1	mg/l
	Chromium (filtered)		14/06/2022		0.0624	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾
Cell 6 Sump	Copper (filtered)	TM152	14/06/2022		0.00232	mg/l
	Iron (filtered)		14/06/2022		2.34	mg/l
	Lead (filtered)		14/06/2022		0.002	mg/l
	Magnesium (filtered)		14/06/2022		56.5	mg/l
	Manganese (filtered)		14/06/2022		0.379	mg/l
	Nickel (filtered)		14/06/2022		0.0838	mg/l
	Potassium (filtered)		14/06/2022		1080	mg/l
	Sodium (filtered)		14/06/2022		1700	mg/l
	Zinc (filtered)		14/06/2022		0.046	mg/l
	4-Methylphenol	TM176	13/04/2022	<0.126 mg/l	<0.02	mg/l
	Diethyl phthalate		13/04/2022	<0.36 mg/l	<0.02	mg/l
	Chloride	TM184	13/04/2022	<19,000 mg/l	815	mg/l
			14/06/2022	<19,000 mg/l	2830	mg/l
	Sulphate		13/04/2022		<10	mg/l
	Total Oxidised Nitrogen as N		13/04/2022		<2	mg/l
	Dichloromethane	TM208	13/04/2022	<0.066 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	13/04/2022		6870	µS/cm
			14/06/2022		12200	µS/cm
	Mecoprop	TM411	13/04/2022	<0.14 mg/l	<0.004	mg/l
Cell 7 Sump	Base of well/borehole/sump	Field	13/04/2022		23	m
			11/05/2022		23	m
			14/06/2022		23	m
	Groundwater level/dip		13/04/2022		22.66	m
			11/05/2022		22.93	m
			14/06/2022		22.68	m
	Leachate level above base of sump/pit base		13/04/2022	1.5m above base	0.34	m
			11/05/2022	1.5m above base	0.07	m
			14/06/2022	1.5m above base	0.32	m
	Total Alkalinity as CaCO3	TM043	13/04/2022		7090	mg/l

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Cell 7 Sump	Biological oxygen demand	TM045	13/04/2022		>143	mg/l
	Total organic carbon	TM090	13/04/2022		753	mg/l
	Ammoniacal Nitrogen as N	TM099	13/04/2022	<3,640 mg/l	1420	mg/l
			14/06/2022	<3,640 mg/l	1010	mg/l
	Chemical oxygen demand (unfiltered)	TM107	13/04/2022		2390	mg/l
	Cadmium (filtered)	TM152	14/06/2022	<0.105 mg/l	9.75e-05	mg/l
	Calcium (filtered)		14/06/2022		73.1	mg/l
	Chromium (filtered)		14/06/2022		0.0493	mg/l
	Copper (filtered)		14/06/2022		0.00177	mg/l
	Iron (filtered)		14/06/2022		1.86	mg/l
	Lead (filtered)		14/06/2022		0.00175	mg/l
	Magnesium (filtered)		14/06/2022		44.7	mg/l
	Manganese (filtered)		14/06/2022		0.298	mg/l
	Nickel (filtered)		14/06/2022		0.0663	mg/l
	Potassium (filtered)		14/06/2022		782	mg/l
	Sodium (filtered)		14/06/2022		1130	mg/l
	Zinc (filtered)		14/06/2022		0.0384	mg/l
	4-Methylphenol	TM176	13/04/2022	<0.126 mg/l	<0.02	mg/l
	Diethyl phthalate		13/04/2022	<0.36 mg/l	<0.02	mg/l
	Chloride	TM184	13/04/2022	<19,000 mg/l	1880	mg/l
			14/06/2022	<19,000 mg/l	4500	mg/l
	Sulphate		13/04/2022		<20	mg/l
	Total Oxidised Nitrogen as N		13/04/2022		<1	mg/l
	Dichloromethane	TM208	13/04/2022	<0.066 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	13/04/2022		15300	µS/cm
			14/06/2022		17900	µS/cm
	Mecoprop	TM411	13/04/2022	<0.14 mg/l	0.0119	mg/l
Lechate Holding Lagoon	Base of well/borehole/sump	Field	13/04/2022		8.5	m
			11/05/2022		8.5	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
Lechate Holding Lagoon	Base of well/borehole/sump	Field	14/06/2022		8.5	m
	Groundwater level/dip		13/04/2022		4.5	m
			11/05/2022		6	m
			14/06/2022		2.7	m
	Total Alkalinity as CaCO3	TM043	13/04/2022		4850	mg/l
	Biological oxygen demand	TM045	13/04/2022		83	mg/l
	Total organic carbon	TM090	13/04/2022		446	mg/l
	Ammoniacal Nitrogen as N	TM099	13/04/2022	<3,640 mg/l	1030	mg/l
			11/05/2022	<3,640 mg/l	1050	mg/l
			14/06/2022	<3,640 mg/l	1.46	mg/l
	Chemical oxygen demand (unfiltered)	TM107	13/04/2022		1610	mg/l
	Cadmium (filtered)	TM152	14/06/2022		0.000294	mg/l
	Calcium (filtered)		14/06/2022		29.7	mg/l
	Chromium (filtered)		14/06/2022		0.0829	mg/l
	Copper (filtered)		14/06/2022		0.0328	mg/l
	Iron (filtered)		14/06/2022		2.14	mg/l
	Lead (filtered)		14/06/2022		0.00715	mg/l
	Magnesium (filtered)		14/06/2022		30.4	mg/l
	Manganese (filtered)		14/06/2022		0.251	mg/l
	Nickel (filtered)		14/06/2022		0.0884	mg/l
	Potassium (filtered)		14/06/2022		814	mg/l
	Sodium (filtered)		14/06/2022		1290	mg/l
	Zinc (filtered)		14/06/2022		4.51	mg/l
	4-Methylphenol	TM176	13/04/2022		<0.02	mg/l
	Diethyl phthalate		13/04/2022		<0.02	mg/l
	Chloride	TM184	13/04/2022	<19,000 mg/l	4130	mg/l
			11/05/2022	<19,000 mg/l	3710	mg/l
			14/06/2022	<19,000 mg/l	2590	mg/l
	Sulphate		13/04/2022		39.7	mg/l

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Lechate Holding Lagoon	Total Oxidised Nitrogen as N	TM184	13/04/2022		<2	mg/l
	Dichloromethane	TM208	13/04/2022		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	13/04/2022		14600	µS/cm
			11/05/2022		15400	µS/cm
			14/06/2022		8620	µS/cm
LMP5a	Mecoprop	TM411	13/04/2022		0.021	mg/l
	Base of well/borehole/sump	Field	13/04/2022		8.5	m
			11/05/2022		8.5	m
			14/06/2022		8.5	m
	Groundwater level/dip		13/04/2022		DRY	m
			11/05/2022		DRY	m
			14/06/2022		DRY	m
	Leachate level above base of sump/pit base		13/04/2022	1.5m above base	0	m
			11/05/2022	1.5m above base	0	m
			14/06/2022	1.5m above base	0	m
LMP5b	Base of well/borehole/sump		13/04/2022		6.8	m
			11/05/2022		6.8	m
			14/06/2022		6.8	m
	Groundwater level/dip		13/04/2022		DRY	m
			11/05/2022		DRY	m
			14/06/2022		DRY	m
	Leachate level above base of sump/pit base		13/04/2022	1.5m above base	0	m
			11/05/2022	1.5m above base	0	m
			14/06/2022	1.5m above base	0	m
LMP6a	Base of well/borehole/sump		13/04/2022		10.98	m
			11/05/2022		6.97	m
			14/06/2022		10.97	m
	Groundwater level/dip		13/04/2022		DRY	m
			11/05/2022		DRY	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
LMP6a	Groundwater level/dip	Field	14/06/2022		DRY	m
	Leachate level above base of sump/pit base		13/04/2022	1.5m above base	0	m
			11/05/2022	1.5m above base	0	m
			14/06/2022	1.5m above base	0	m
LMP7a	Base of well/borehole/sump		13/04/2022		10.48	m
			11/05/2022		10.48	m
			14/06/2022		10.48	m
	Groundwater level/dip		13/04/2022		10.46	m
			11/05/2022		DRY	m
			14/06/2022		10.48	m
	Leachate level above base of sump/pit base		13/04/2022	1.5m above base	0.02	m
			11/05/2022	1.5m above base	0	m
			14/06/2022	1.5m above base	0	m
LMP7b	Base of well/borehole/sump		13/04/2022		4	m
			11/05/2022		4	m
			14/06/2022		4	m
	Groundwater level/dip		13/04/2022		DRY	m
			11/05/2022		DRY	m
			14/06/2022		DRY	m
	Leachate level above base of sump/pit base		13/04/2022	1.5m above base	0	m
			11/05/2022	1.5m above base	0	m
			14/06/2022	1.5m above base	0	m
M1A	Base of well/borehole/sump		13/04/2022		16.4	m
			11/05/2022		16.4	m
			14/06/2022		16.4	m
	Groundwater level/dip		13/04/2022		16.23	m
			11/05/2022		16.1	m
			14/06/2022		16.28	m
	Leachate level above base of sump/pit base		13/04/2022	2m above base	0.17	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	11/05/2022	2m above base	0.3	m
			14/06/2022	2m above base	0.12	m
M1B	Base of well/borehole/sump		13/04/2022		10.64	m
			11/05/2022		10.5	m
			14/06/2022		10.64	m
			13/04/2022		10.5	m
	Groundwater level/dip		11/05/2022		10.4	m
			14/06/2022		10.58	m
	Leachate level above base of sump/pit base		13/04/2022	2m above base	0.14	m
			11/05/2022	2m above base	0.1	m
			14/06/2022	2m above base	0.06	m
			13/04/2022		20.8	m
M2A	Base of well/borehole/sump		11/05/2022		20.86	m
			14/06/2022		20.8	m
	Groundwater level/dip		13/04/2022		20.65	m
			11/05/2022		20.71	m
			14/06/2022		20.65	m
			13/04/2022	2m above base	0.15	m
	Leachate level above base of sump/pit base		11/05/2022	2m above base	0.15	m
			14/06/2022	2m above base	0.15	m
			13/04/2022		19.8	m
			11/05/2022		19.8	m
M2B	Base of well/borehole/sump		14/06/2022		19.8	m
			13/04/2022		19.47	m
	Groundwater level/dip		11/05/2022		19.51	m
			14/06/2022		19.72	m
	Leachate level above base of sump/pit base		13/04/2022	2m above base	0.33	m
			11/05/2022	2m above base	0.29	m
			14/06/2022	2m above base	0.08	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	13/04/2022		21.5	m
			11/05/2022		21.5	m
			14/06/2022		21.5	m
	Groundwater level/dip		13/04/2022		21.38	m
			11/05/2022		21.3	m
			14/06/2022		21.41	m
	Leachate level above base of sump/pit base		13/04/2022	1.8m above base	0.12	m
			11/05/2022	1.8m above base	0.2	m
			14/06/2022	1.8m above base	0.09	m
M3B	Base of well/borehole/sump		13/04/2022		15.6	m
			11/05/2022		15.53	m
			14/06/2022		15.6	m
	Groundwater level/dip		13/04/2022		15.5	m
			11/05/2022		15.43	m
			14/06/2022		DRY	m
	Leachate level above base of sump/pit base		13/04/2022	1.8m above base	0.1	m
			11/05/2022	1.8m above base	0.1	m
			14/06/2022	1.8m above base	0	m
M4A	Base of well/borehole/sump		13/04/2022		18.6	m
			11/05/2022		18.61	m
			14/06/2022		18.61	m
	Groundwater level/dip		13/04/2022		18.33	m
			11/05/2022		18.28	m
			14/06/2022		18.55	m
	Leachate level above base of sump/pit base		13/04/2022	1.8m above base	0.27	m
			11/05/2022	1.8m above base	0.33	m
			14/06/2022	1.8m above base	0.06	m
M4B	Base of well/borehole/sump		13/04/2022		16.9	m
			11/05/2022		17	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
M4B	Base of well/borehole/sump	Field	14/06/2022		16.9	m
	Groundwater level/dip		13/04/2022		16.86	m
			11/05/2022		16.73	m
			14/06/2022		DRY	m
	Leachate level above base of sump/pit base		13/04/2022	1.8m above base	0.04	m
			11/05/2022	1.8m above base	0.27	m
			14/06/2022	1.8m above base	0	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.

(8) Monitoring locations Cell 6 and Cell 7 Sumps did not have enough water for a sample in May 2022, therefore no laboratory analysis took place for these locations during May.

(9) Quarterly leachate sampling round is normally completed in April, however it was conducted in June due to sampling errors in April and May.

Signature:.....

Date: 23 June 2022

(Authorised to sign as representative of
Operator)