

Operator: CWM Environmental Ltd
Permit: CP3735PB

Installation: Nantycaws Landfill Site
Form: Leachate Q4 2020

Reporting of leachate monitoring for the period from 01-Oct-2020 to 31-Dec-2020

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	07/10/2020		14.73	m
			09/11/2020		14.73	m
			14/12/2020		14.73	m
Groundwater level/dip			07/10/2020		14.22	m
			09/11/2020		14.4	m
			14/12/2020		14.51	m
Leachate level above base of sump/pit base			07/10/2020	3m above base	0.51	m
			09/11/2020	3m above base	0.33	m
			14/12/2020	3m above base	0.22	m
Total organic carbon		SUB	06/10/2020		888	mg/l
Total Alkalinity as CaCO ₃		TM043	06/10/2020		8980	mg/l
Biological oxygen demand		TM045	06/10/2020		165	mg/l
Ammoniacal Nitrogen as N			06/10/2020	<3,640 mg/l	2510	mg/l
			10/11/2020	<3,640 mg/l	2300	mg/l
			09/12/2020	<3,640 mg/l	2390	mg/l
Chemical oxygen demand (unfiltered)		TM107	06/10/2020		5080	mg/l
Electrical conductivity @20°C (lab)			06/10/2020		40400	µS/cm
			10/11/2020		39800	µS/cm
			09/12/2020		39400	µS/cm
Cadmium (filtered)		TM152	06/10/2020	<0.105 mg/l	0.000761	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	06/10/2020		32.6	mg/l
	Chromium (filtered)		06/10/2020		0.182	mg/l
	Copper (filtered)		06/10/2020		0.185	mg/l
	Iron (filtered)		06/10/2020		4.08	mg/l
	Lead (filtered)		06/10/2020		0.0252	mg/l
	Magnesium (filtered)		06/10/2020		55.2	mg/l
	Manganese (filtered)		06/10/2020		0.0997	mg/l
	Nickel (filtered)		06/10/2020		0.316	mg/l
	Potassium (filtered)		06/10/2020		3130	mg/l
	Sodium (filtered)		06/10/2020		5080	mg/l
	Zinc (filtered)		06/10/2020		0.138	mg/l
	4-Methylphenol		TM176	06/10/2020	<1.6 mg/l	<0.02
	Diethyl phthalate	06/10/2020		<0.44 mg/l	<0.02	mg/l
	Chloride	TM184		06/10/2020	<19,000 mg/l	11600
			10/11/2020	<19,000 mg/l	10800	mg/l
	09/12/2020		<19,000 mg/l	12000	mg/l	
Sulphate	06/10/2020			<20	mg/l	
	Total Oxidised Nitrogen as N		06/10/2020		1.11	mg/l
	Dichloromethane	TM208	06/10/2020	<0.033 mg/l	<0.003	mg/l
	Mecoprop		TM411	06/10/2020	<0.071 mg/l	0.111
Cell 3/4 Sump	Base of well/borehole/sump	Field		07/10/2020		11.3
			09/11/2020		11.3	m
			14/12/2020		11.3	m
	Groundwater level/dip		07/10/2020		10.83	m
			09/11/2020		10.91	m
			14/12/2020		10.91	m
			Leachate level above base of sump/pit base	07/10/2020	2.8m above base	0.47

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	09/11/2020	2.8m above base	0.39	m
			14/12/2020	2.8m above base	0.39	m
	Total organic carbon	SUB	06/10/2020		316	mg/l
	Total Alkalinity as CaCO3	TM043	06/10/2020		4090	mg/l
	Biological oxygen demand	TM045	06/10/2020		66	mg/l
	Ammoniacal Nitrogen as N	TM099	06/10/2020	<3,640 mg/l	823	mg/l
			10/11/2020	<3,640 mg/l	888	mg/l
			09/12/2020	<3,640 mg/l	848	mg/l
	Chemical oxygen demand (unfiltered)	TM107	06/10/2020		1160	mg/l
	Electrical conductivity @20°C (lab)	TM120	06/10/2020		9860	µS/cm
			10/11/2020		11300	µS/cm
			09/12/2020		15800	µS/cm
	Cadmium (filtered)	TM152	06/10/2020	<0.105 mg/l	0.0000914	mg/l
	Calcium (filtered)		06/10/2020		113	mg/l
	Chromium (filtered)		06/10/2020		0.0791	mg/l
	Copper (filtered)		06/10/2020		0.00402	mg/l
	Iron (filtered)		06/10/2020		5.64	mg/l
	Lead (filtered)		06/10/2020		0.000455	mg/l
	Magnesium (filtered)		06/10/2020		31.8	mg/l
	Manganese (filtered)		06/10/2020		1.42	mg/l
	Nickel (filtered)		06/10/2020		0.116	mg/l
	Potassium (filtered)		06/10/2020		427	mg/l
	Sodium (filtered)		06/10/2020		908	mg/l
	Zinc (filtered)		06/10/2020		0.0217	mg/l
	4-Methylphenol	TM176	06/10/2020	<1.6 mg/l	<0.02	mg/l
	Diethyl phthalate		06/10/2020	<0.44 mg/l	<0.02	mg/l
	Chloride	TM184	06/10/2020	<19,000 mg/l	1320	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	10/11/2020	<19,000 mg/l	1590	mg/l
			09/12/2020	<19,000 mg/l	4060	mg/l
	Sulphate		06/10/2020		40	mg/l
	Total Oxidised Nitrogen as N		06/10/2020		2.19	mg/l
	Dichloromethane	TM208	06/10/2020	<0.033 mg/l	<0.003	mg/l
	Mecoprop	TM411	06/10/2020	<0.071 mg/l	0.0237	mg/l
Cell 5 Sump	Base of well/borehole/sump	Field	07/10/2020		6.3	m
			09/11/2020		5.8	m
			14/12/2020		5.8	m
	Groundwater level/dip		07/10/2020		5.7	m
			09/11/2020		5.72	m
			14/12/2020		5.68	m
	Leachate level above base of sump/pit base		07/10/2020	2m above base	0.6	m
			09/11/2020	2m above base	0.08	m
			14/12/2020	2m above base	0.12	m
	Total organic carbon	SUB	06/10/2020		404	mg/l
	Total Alkalinity as CaCO3	TM043	06/10/2020		4940	mg/l
	Biological oxygen demand	TM045	06/10/2020		76	mg/l
	Ammoniacal Nitrogen as N	TM099	06/10/2020	<3,640 mg/l	1220	mg/l
			10/11/2020	<3,640 mg/l	1080	mg/l
			09/12/2020	<3,640 mg/l	932	mg/l
	Chemical oxygen demand (unfiltered)	TM107	06/10/2020		1560	mg/l
	Electrical conductivity @20°C (lab)	TM120	06/10/2020		21600	µS/cm
			10/11/2020		19300	µS/cm
			09/12/2020		18600	µS/cm
	Cadmium (filtered)	TM152	06/10/2020	<0.105 mg/l	0.000193	mg/l
	Calcium (filtered)		06/10/2020		103	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	06/10/2020		0.0983	mg/l
	Copper (filtered)		06/10/2020		0.0024	mg/l
	Iron (filtered)		06/10/2020		7.89	mg/l
	Lead (filtered)		06/10/2020		0.00384	mg/l
	Magnesium (filtered)		06/10/2020		103	mg/l
	Manganese (filtered)		06/10/2020		0.976	mg/l
	Nickel (filtered)		06/10/2020		0.132	mg/l
	Potassium (filtered)		06/10/2020		1240	mg/l
	Sodium (filtered)		06/10/2020		1720	mg/l
	Zinc (filtered)		06/10/2020		0.0535	mg/l
	4-Methylphenol	TM176	06/10/2020	<0.126 mg/l	<0.02	mg/l
	Diethyl phthalate		06/10/2020	<0.36 mg/l	<0.02	mg/l
	Chloride	TM184	06/10/2020	<19,000 mg/l	5690	mg/l
			10/11/2020	<19,000 mg/l	4840	mg/l
			09/12/2020	<19,000 mg/l	5060	mg/l
	Sulphate		06/10/2020		20.8	mg/l
	Total Oxidised Nitrogen as N		06/10/2020		<1	mg/l
	Dichloromethane	TM208	06/10/2020	<0.066 mg/l	<0.003	mg/l
	Mecoprop	TM411	06/10/2020	<0.14 mg/l	0.0313	mg/l
Cell 6 Sump	Base of well/borehole/sump	Field	07/10/2020		24.2	m
			09/11/2020		24.6	m
			14/12/2020		24.6	m
	Groundwater level/dip		07/10/2020		23.8	m
			09/11/2020		24.23	m
			14/12/2020		24.6	m
	Leachate level above base of sump/pit base		07/10/2020	1.5m above base	0.4	m
			09/11/2020	1.5m above base	0.37	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	14/12/2020	1.5m above base	0	m
	Total organic carbon	SUB	06/10/2020		410	mg/l
	Total Alkalinity as CaCO3	TM043	06/10/2020		4170	mg/l
	Biological oxygen demand	TM045	06/10/2020		69	mg/l
	Ammoniacal Nitrogen as N	TM099	06/10/2020	<3,640 mg/l	785	mg/l
			10/11/2020	<3,640 mg/l	756	mg/l
			09/12/2020	<3,640 mg/l	1010	mg/l
	Chemical oxygen demand (unfiltered)	TM107	06/10/2020		1630	mg/l
	Electrical conductivity @20°C (lab)	TM120	06/10/2020		9500	µS/cm
			10/11/2020		9410	µS/cm
			09/12/2020		11700	µS/cm
	Cadmium (filtered)	TM152	06/10/2020	<0.105 mg/l	0.000106	mg/l
	Calcium (filtered)		06/10/2020		90.9	mg/l
	Chromium (filtered)		06/10/2020		0.169	mg/l
	Copper (filtered)		06/10/2020		0.00575	mg/l
	Iron (filtered)		06/10/2020		2.59	mg/l
	Lead (filtered)		06/10/2020		0.00336	mg/l
	Magnesium (filtered)		06/10/2020		40.4	mg/l
	Manganese (filtered)		06/10/2020		0.553	mg/l
	Nickel (filtered)		06/10/2020		0.0971	mg/l
	Potassium (filtered)		06/10/2020		415	mg/l
	Sodium (filtered)		06/10/2020		793	mg/l
	Zinc (filtered)		06/10/2020		0.0639	mg/l
	4-Methylphenol	TM176	06/10/2020	<0.126 mg/l	<0.02	mg/l
	Diethyl phthalate		06/10/2020	<0.36 mg/l	<0.02	mg/l
	Chloride	TM184	06/10/2020	<19,000 mg/l	1160	mg/l
			10/11/2020	<19,000 mg/l	1060	mg/l

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Cell 6 Sump	Chloride	TM184	09/12/2020	<19,000 mg/l	1410	mg/l
	Sulphate		06/10/2020		<20	mg/l
	Total Oxidised Nitrogen as N		06/10/2020		1.27	mg/l
	Dichloromethane	TM208	06/10/2020	<0.066 mg/l	<0.003	mg/l
	Mecoprop	TM411	06/10/2020	<0.14 mg/l	0.0131	mg/l
Cell 7 Sump	Base of well/borehole/sump	Field	07/10/2020		23	m
			09/11/2020		23	m
			14/12/2020		23	m
	Groundwater level/dip		07/10/2020		22.47	m
			09/11/2020		22.66	m
			14/12/2020		22.73	m
	Leachate level above base of sump/pit base		07/10/2020	1.5m above base	0.53	m
			09/11/2020	1.5m above base	0.34	m
			14/12/2020	1.5m above base	0.27	m
	Total organic carbon	SUB	06/10/2020		622	mg/l
	Total Alkalinity as CaCO3	TM043	06/10/2020		6990	mg/l
	Biological oxygen demand	TM045	06/10/2020		<10	mg/l
	Ammoniacal Nitrogen as N	TM099	06/10/2020	<3,640 mg/l	1440	mg/l
			10/11/2020	<3,640 mg/l	1260	mg/l
			09/12/2020	<3,640 mg/l	1570	mg/l
	Chemical oxygen demand (unfiltered)	TM107	06/10/2020		2800	mg/l
	Electrical conductivity @20°C (lab)	TM120	06/10/2020		16000	µS/cm
			10/11/2020		13500	µS/cm
			09/12/2020		17000	µS/cm
	Cadmium (filtered)	TM152	06/10/2020	<0.105 mg/l	0.000167	mg/l
	Calcium (filtered)		06/10/2020		97.7	mg/l
	Chromium (filtered)		06/10/2020		0.256	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	06/10/2020		0.0063	mg/l
	Iron (filtered)		06/10/2020		4.84	mg/l
	Lead (filtered)		06/10/2020		0.00637	mg/l
	Magnesium (filtered)		06/10/2020		67.9	mg/l
	Manganese (filtered)		06/10/2020		1.07	mg/l
	Nickel (filtered)		06/10/2020		0.183	mg/l
	Potassium (filtered)		06/10/2020		719	mg/l
	Sodium (filtered)		06/10/2020		1620	mg/l
	Zinc (filtered)		06/10/2020		0.104	mg/l
	4-Methylphenol	TM176	06/10/2020	<0.126 mg/l	<0.02	mg/l
	Diethyl phthalate		06/10/2020	<0.36 mg/l	<0.02	mg/l
	Chloride	TM184	06/10/2020	<19,000 mg/l	2050	mg/l
			10/11/2020	<19,000 mg/l	1720	mg/l
			09/12/2020	<19,000 mg/l	2270	mg/l
	Sulphate		06/10/2020		<20	mg/l
	Total Oxidised Nitrogen as N		06/10/2020		<2	mg/l
	Dichloromethane	TM208	06/10/2020	<0.066 mg/l	<0.003	mg/l
	Mecoprop	TM411	06/10/2020	<0.14 mg/l	0.0202	mg/l
Lechate Holding Lagoon	Base of well/borehole/sump	Field	07/10/2020		8.5	m
			09/11/2020		8.5	m
			14/12/2020		8.5	m
	Groundwater level/dip		07/10/2020		2.6	m
			09/11/2020		6.53	m
			14/12/2020		1.3	m
	Total organic carbon	SUB	06/10/2020		452	mg/l
	Total Alkalinity as CaCO3	TM043	06/10/2020		4910	mg/l
	Biological oxygen demand	TM045	06/10/2020		81.9	mg/l

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Lechate Holding Lagoon	Ammoniacal Nitrogen as N	TM099	06/10/2020	<3,640 mg/l	1060	mg/l
			10/11/2020	<3,640 mg/l	1270	mg/l
			09/12/2020	<3,640 mg/l	1280	mg/l
	Chemical oxygen demand (unfiltered)	TM107	06/10/2020		1870	mg/l
	Electrical conductivity @20°C (lab)	TM120	06/10/2020		15000	µS/cm
			10/11/2020		20600	µS/cm
			09/12/2020		20100	µS/cm
	Cadmium (filtered)	TM152	06/10/2020		0.000143	mg/l
	Calcium (filtered)		06/10/2020		99	mg/l
	Chromium (filtered)		06/10/2020		0.163	mg/l
	Copper (filtered)		06/10/2020		0.00529	mg/l
	Iron (filtered)		06/10/2020		3.28	mg/l
	Lead (filtered)		06/10/2020		0.00404	mg/l
	Magnesium (filtered)		06/10/2020		59.7	mg/l
	Manganese (filtered)		06/10/2020		0.762	mg/l
	Nickel (filtered)		06/10/2020		0.12	mg/l
	Potassium (filtered)		06/10/2020		805	mg/l
	Sodium (filtered)		06/10/2020		1450	mg/l
	Zinc (filtered)		06/10/2020		0.0716	mg/l
	4-Methylphenol	TM176	06/10/2020		<0.02	mg/l
	Diethyl phthalate		06/10/2020		<0.02	mg/l
	Chloride	TM184	06/10/2020	<19,000 mg/l	2850	mg/l
			10/11/2020	<19,000 mg/l	4450	mg/l
			09/12/2020	<19,000 mg/l	4890	mg/l
	Sulphate		06/10/2020		<20	mg/l
	Total Oxidised Nitrogen as N		06/10/2020		<1	mg/l
	Dichloromethane	TM208	06/10/2020		<0.003	mg/l

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Lechate Holding Lagoon	Mecoprop	TM411	06/10/2020		0.0232	mg/l
LMP5a	Base of well/borehole/sump	Field	07/10/2020		8.5	m
			09/11/2020		8.5	m
			14/12/2020		8.5	m
	Groundwater level/dip		07/10/2020		8.5	m
			09/11/2020		8.5	m
			14/12/2020		8.5	m
	Leachate level above base of sump/pit base		07/10/2020	1.5m above base	0	m
			09/11/2020	1.5m above base	0	m
			14/12/2020	1.5m above base	0	m
LMP5b	Base of well/borehole/sump		07/10/2020		6.8	m
			09/11/2020		6.8	m
			14/12/2020		6.8	m
	Groundwater level/dip		07/10/2020		6.8	m
			09/11/2020		6.8	m
			14/12/2020		6.72	m
	Leachate level above base of sump/pit base		07/10/2020	1.5m above base	0	m
			09/11/2020	1.5m above base	0	m
			14/12/2020	1.5m above base	0.08	m
LMP6a	Base of well/borehole/sump		07/10/2020		11.4	m
			09/11/2020		11.4	m
			14/12/2020		11.4	m
	Groundwater level/dip		07/10/2020		11.4	m
			09/11/2020		11.4	m
			14/12/2020		11.4	m
	Leachate level above base of sump/pit base		07/10/2020	1.5m above base	0	m
			09/11/2020	1.5m above base	0	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
LMP7a	Base of well/borehole/sump	Field	07/10/2020		10.48	m
			09/11/2020		10.48	m
			14/12/2020		10.49	m
	Groundwater level/dip		07/10/2020		10.33	m
			09/11/2020		10.38	m
			14/12/2020		10.3	m
	Leachate level above base of sump/pit base		07/10/2020	1.5m above base	0.15	m
			09/11/2020	1.5m above base	0.1	m
			14/12/2020	1.5m above base	0.19	m
LMP7b	Base of well/borehole/sump		07/10/2020		4	m
			09/11/2020		4	m
			14/12/2020		4	m
	Groundwater level/dip		07/10/2020		0.26	m
			09/11/2020		4	m
			14/12/2020		3.91	m
	Leachate level above base of sump/pit base		07/10/2020	1.5m above base	3.74	m
			09/11/2020	1.5m above base	0	m
			14/12/2020	1.5m above base	0.09	m
M1A	Base of well/borehole/sump		07/10/2020		16.4	m
			09/11/2020		16.41	m
			14/12/2020		16.41	m
	Groundwater level/dip		07/10/2020		16.15	m
			09/11/2020		16.36	m
			14/12/2020		16.26	m
	Leachate level above base of sump/pit base		07/10/2020	2m above base	0.25	m
			09/11/2020	2m above base	0.05	m
			14/12/2020	2m above base	0.15	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	07/10/2020		10.5	m
			09/11/2020		10.5	m
			14/12/2020		10.5	m
	Groundwater level/dip		07/10/2020		10.26	m
			09/11/2020		10.42	m
			14/12/2020		10.5	m
	Leachate level above base of sump/pit base		07/10/2020	2m above base	0.24	m
			09/11/2020	2m above base	0.08	m
			14/12/2020	2m above base	0	m
M2A	Base of well/borehole/sump		07/10/2020		21	m
			09/11/2020		21	m
			14/12/2020		21	m
	Groundwater level/dip		07/10/2020		20.72	m
			09/11/2020		19.78	m
			14/12/2020		20.84	m
	Leachate level above base of sump/pit base		07/10/2020	2m above base	0.28	m
			09/11/2020	2m above base	1.22	m
			14/12/2020	2m above base	0.16	m
M2B	Base of well/borehole/sump		07/10/2020		19.8	m
			09/11/2020		19.8	m
			14/12/2020		19.8	m
	Groundwater level/dip		07/10/2020		19.47	m
			09/11/2020		19.68	m
			14/12/2020		19.7	m
	Leachate level above base of sump/pit base		07/10/2020	2m above base	0.33	m
			09/11/2020	2m above base	0.12	m
			14/12/2020	2m above base	0.1	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	07/10/2020		21.5	m
			09/11/2020		21.5	m
			14/12/2020		21.5	m
	Groundwater level/dip		07/10/2020		21.32	m
			09/11/2020		21.1	m
			14/12/2020		21.31	m
	Leachate level above base of sump/pit base		07/10/2020	1.8m above base	0.18	m
			09/11/2020	1.8m above base	0.4	m
			14/12/2020	1.8m above base	0.19	m
M3B	Base of well/borehole/sump		07/10/2020		15.54	m
			09/11/2020		15.54	m
			14/12/2020		15.54	m
	Groundwater level/dip		07/10/2020		15.53	m
			09/11/2020		No Record	m
			14/12/2020		15.49	m
	Leachate level above base of sump/pit base		07/10/2020	1.8m above base	0.01	m
			14/12/2020	1.8m above base	0.05	m
M4A	Base of well/borehole/sump		07/10/2020		19	m
			09/11/2020		19	m
			14/12/2020		19	m
	Groundwater level/dip		07/10/2020		18.74	m
			09/11/2020		18.79	m
			14/12/2020		18.71	m
	Leachate level above base of sump/pit base		07/10/2020	1.8m above base	0.26	m
			09/11/2020	1.8m above base	0.21	m
			14/12/2020	1.8m above base	0.29	m
M4B	Base of well/borehole/sump		07/10/2020		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	09/11/2020		17	m
			14/12/2020		17	m
			07/10/2020		16.92	m
	Groundwater level/dip		09/11/2020		16.87	m
			14/12/2020		16.87	m
			07/10/2020	1.8m above base	0.08	m
	Leachate level above base of sump/pit base		09/11/2020	1.8m above base	0.13	m
			14/12/2020	1.8m above base	0.13	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: 25 January 2021

(Authorised to sign as representative of
Operator)