

Operator: CWM Environmental Ltd
Permit: CP3735PB

Installation: Nantycaws Landfill Site
Form: Surface waters Q4 2022

Reporting of surface water monitoring for the period from 01-Oct-2022 to 31-Dec-2022

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
SW201	Ionic balance	Calulation	11-Oct-2022		1.78	%
	Electrical conductivity (field)	Field	24-Oct-2022		230	µS/cm
			07-Nov-2022		191	µS/cm
			12-Dec-2022		340	µS/cm
	Groundwater level/dip		24-Oct-2022		32mm	m
			07-Nov-2022		42mm	m
			12-Dec-2022		31mm	m
	Water temperature		24-Oct-2022		12.9	°C
			07-Nov-2022		12.4	°C
			12-Dec-2022		10.4	°C
	Total Suspended solids	TM022	11-Oct-2022		<2	mg/l
			08-Nov-2022		34.5	mg/l
			12-Dec-2022		2.1	mg/l
	Bicarbonate alkalinity as CaCO3 (filtered)	TM043	11-Oct-2022		138	mg/l
	Total Alkalinity as CaCO3		11-Oct-2022		139	mg/l
	Total alkalinity as CaCO3 (filtered)		11-Oct-2022		138	mg/l
	Total organic carbon	TM090	11-Oct-2022		5.42	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Oct-2022		<0.2	mg/l
			08-Nov-2022		1.1	mg/l
			12-Dec-2022		0.447	mg/l
	Cadmium (filtered)	TM152	11-Oct-2022		<0.00008	mg/l
	Calcium (filtered)		11-Oct-2022		60.3	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
SW201	Chromium (filtered)	TM152	11-Oct-2022		<0.001	mg/l
	Iron (filtered)		11-Oct-2022		0.0422	mg/l
	Lead (filtered)		11-Oct-2022		<0.0002	mg/l
	Magnesium (filtered)		11-Oct-2022		4.71	mg/l
	Manganese (filtered)		11-Oct-2022		0.0203	mg/l
	Nickel (filtered)		11-Oct-2022		0.000729	mg/l
	Potassium (filtered)		11-Oct-2022		5.66	mg/l
	Sodium (filtered)	TM176	11-Oct-2022		10.2	mg/l
	Zinc (filtered)		11-Oct-2022		0.00397	mg/l
	4-Methylphenol		11-Oct-2022		<0.001	mg/l
	Diethyl phthalate		11-Oct-2022		<0.001	mg/l
	Chloride	TM184	11-Oct-2022		18.2	mg/l
			08-Nov-2022		79.4	mg/l
			12-Dec-2022		42.7	mg/l
	Nitrate as NO3		11-Oct-2022		7.27	mg/l
	Nitrite as NO2		11-Oct-2022		<0.05	mg/l
	Sulphate		11-Oct-2022		21.5	mg/l
	Total Oxidised Nitrogen as N		11-Oct-2022		1.64	mg/l
	Dichloromethane	TM208	11-Oct-2022		<0.004	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Oct-2022		343	µS/cm
			08-Nov-2022		834	µS/cm
			12-Dec-2022		533	µS/cm
			11-Oct-2022		8.27	pH units
	pH (lab)		08-Nov-2022		7.95	pH units
			12-Dec-2022		8.33	pH units
		TM411	11-Oct-2022		<0.00004	mg/l
SW202	Ionic balance	Calulation	11-Oct-2022		0.631	%
	Electrical conductivity (field)	Field	24-Oct-2022		447	µS/cm
			07-Nov-2022		435	µS/cm

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
SW202	Electrical conductivity (field)	Field	12-Dec-2022		269	µS/cm
	Groundwater level/dip		24-Oct-2022		38mm	m
			07-Nov-2022		51mm	m
			12-Dec-2022		36mm	m
	Water temperature		24-Oct-2022		12.9	°C
			07-Nov-2022		13.2	°C
			12-Dec-2022		9.2	°C
	Total Suspended solids	TM022	11-Oct-2022		2.2	mg/l
			08-Nov-2022		18	mg/l
			12-Dec-2022		4.2	mg/l
	Bicarbonate alkalinity as CaCO3 (filtered)	TM043	11-Oct-2022		198	mg/l
	Total Alkalinity as CaCO3		11-Oct-2022		198	mg/l
	Total alkalinity as CaCO3 (filtered)		11-Oct-2022		198	mg/l
	Total organic carbon	TM090	11-Oct-2022		25.8	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Oct-2022		<0.2	mg/l
			08-Nov-2022		0.99	mg/l
			12-Dec-2022		<0.2	mg/l
	Cadmium (filtered)	TM152	11-Oct-2022		<0.00008	mg/l
	Calcium (filtered)		11-Oct-2022		122	mg/l
	Chromium (filtered)		11-Oct-2022		<0.001	mg/l
	Iron (filtered)		11-Oct-2022		0.0542	mg/l
	Lead (filtered)		11-Oct-2022		<0.0002	mg/l
	Magnesium (filtered)		11-Oct-2022		9.88	mg/l
	Manganese (filtered)		11-Oct-2022		0.028	mg/l
	Nickel (filtered)		11-Oct-2022		0.00345	mg/l
	Potassium (filtered)		11-Oct-2022		43.6	mg/l
	Sodium (filtered)		11-Oct-2022		23.2	mg/l
	Zinc (filtered)		11-Oct-2022		0.00837	mg/l
	4-Methylphenol		11-Oct-2022		<0.001	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
SW202	Diethyl phthalate	TM176	11-Oct-2022		<0.001	mg/l
	Chloride	TM184	11-Oct-2022		81.4	mg/l
			08-Nov-2022		80.9	mg/l
			12-Dec-2022		30.6	mg/l
	Nitrate as NO3		11-Oct-2022		8.59	mg/l
	Nitrite as NO2		11-Oct-2022		0.075	mg/l
	Sulphate		11-Oct-2022		122	mg/l
	Total Oxidised Nitrogen as N		11-Oct-2022		1.96	mg/l
	Dichloromethane	TM208	11-Oct-2022		<0.005	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Oct-2022		795	µS/cm
			08-Nov-2022		838	µS/cm
			12-Dec-2022		480	µS/cm
	pH (lab)		11-Oct-2022		8.14	pH units
			08-Nov-2022		7.79	pH units
			12-Dec-2022		8.37	pH units
	Mecoprop	TM411	11-Oct-2022		<0.00004	mg/l
SW203	Ionic balance	Calulation	11-Oct-2022		-1.52	%
	Electrical conductivity (field)	Field	24-Oct-2022		166	µS/cm
			07-Nov-2022		231	µS/cm
			12-Dec-2022		238	µS/cm
	Groundwater level/dip		24-Oct-2022		41mm	m
			07-Nov-2022		38mm	m
			12-Dec-2022		40mm	m
	Water temperature		24-Oct-2022		12.6	°C
			07-Nov-2022		14.1	°C
			12-Dec-2022		14.9	°C
	Total Suspended solids	TM022	11-Oct-2022		4.95	mg/l
			08-Nov-2022		3.7	mg/l
			12-Dec-2022		2.1	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
SW203	Bicarbonate alkalinity as CaCO3 (filtered)	TM043	11-Oct-2022		24.1	mg/l
	Total Alkalinity as CaCO3		11-Oct-2022		23.7	mg/l
	Total alkalinity as CaCO3 (filtered)		11-Oct-2022		24.1	mg/l
	Total organic carbon	TM090	11-Oct-2022		8.86	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Oct-2022		<0.2	mg/l
			08-Nov-2022		<0.2	mg/l
			12-Dec-2022		<0.2	mg/l
	Cadmium (filtered)	TM152	11-Oct-2022		<0.00008	mg/l
	Calcium (filtered)		11-Oct-2022		8.01	mg/l
	Chromium (filtered)		11-Oct-2022		<0.001	mg/l
	Iron (filtered)		11-Oct-2022		0.0668	mg/l
	Lead (filtered)		11-Oct-2022		0.000299	mg/l
	Magnesium (filtered)		11-Oct-2022		0.759	mg/l
	Manganese (filtered)		11-Oct-2022		0.00811	mg/l
	Nickel (filtered)		11-Oct-2022		<0.0004	mg/l
	Potassium (filtered)		11-Oct-2022		1.12	mg/l
	Sodium (filtered)		11-Oct-2022		4.01	mg/l
	Zinc (filtered)		11-Oct-2022		0.00392	mg/l
	4-Methylphenol	TM176	11-Oct-2022		<0.001	mg/l
	Diethyl phthalate		11-Oct-2022		<0.001	mg/l
	Chloride	TM184	11-Oct-2022		7.2	mg/l
			08-Nov-2022		13.7	mg/l
			12-Dec-2022		29.6	mg/l
	Nitrate as NO3		11-Oct-2022		<0.3	mg/l
	Nitrite as NO2		11-Oct-2022		<0.05	mg/l
	Sulphate		11-Oct-2022		<2	mg/l
	Total Oxidised Nitrogen as N		11-Oct-2022		<0.1	mg/l
	Dichloromethane	TM208	11-Oct-2022		<0.0035	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Oct-2022		68.9	µS/cm

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SW203	Electrical conductivity @20°C (lab)	TM256	08-Nov-2022		59.6	µS/cm
			12-Dec-2022		427	µS/cm
			11-Oct-2022		7.4	pH units
			08-Nov-2022		6.62	pH units
			12-Dec-2022		8.35	pH units
SW204	Mecoprop	TM411	11-Oct-2022		<0.00004	mg/l
	Ionic balance	Calulation	11-Oct-2022		0.358	%
	Electrical conductivity (field)	Field	24-Oct-2022		349	µS/cm
			07-Nov-2022		297	µS/cm
			12-Dec-2022		217	µS/cm
			24-Oct-2022		28mm	m
	Groundwater level/dip		07-Nov-2022		28mm	m
			12-Dec-2022		22mm	m
			24-Oct-2022		12.6	°C
	Water temperature		07-Nov-2022		12.4	°C
			12-Dec-2022		8.3	°C
			11-Oct-2022		2.9	mg/l
			08-Nov-2022		10.6	mg/l
			12-Dec-2022		2.55	mg/l
	Bicarbonate alkalinity as CaCO3 (filtered)	TM043	11-Oct-2022		181	mg/l
	Total Alkalinity as CaCO3		11-Oct-2022		181	mg/l
	Total alkalinity as CaCO3 (filtered)		11-Oct-2022		181	mg/l
	Total organic carbon	TM090	11-Oct-2022		25.5	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Oct-2022		<0.2	mg/l
			08-Nov-2022		<0.2	mg/l
			12-Dec-2022		<0.2	mg/l
	Cadmium (filtered)	TM152	11-Oct-2022		<0.00008	mg/l
	Calcium (filtered)		11-Oct-2022		118	mg/l
	Chromium (filtered)		11-Oct-2022		<0.001	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾
SW204	Iron (filtered)	TM152	11-Oct-2022		0.0586	mg/l
	Lead (filtered)		11-Oct-2022		<0.0002	mg/l
	Magnesium (filtered)		11-Oct-2022		9.05	mg/l
	Manganese (filtered)		11-Oct-2022		0.0204	mg/l
	Nickel (filtered)		11-Oct-2022		0.00316	mg/l
	Potassium (filtered)		11-Oct-2022		41.3	mg/l
	Sodium (filtered)		11-Oct-2022		21	mg/l
	Zinc (filtered)		11-Oct-2022		0.00277	mg/l
	4-Methylphenol		11-Oct-2022		<0.001	mg/l
	Diethyl phthalate	TM176	11-Oct-2022		<0.001	mg/l
	Chloride		11-Oct-2022		79.7	mg/l
			08-Nov-2022		67.3	mg/l
			12-Dec-2022		28	mg/l
	Nitrate as NO3		11-Oct-2022		5.98	mg/l
	Nitrite as NO2		11-Oct-2022		<0.05	mg/l
	Sulphate		11-Oct-2022		125	mg/l
	Total Oxidised Nitrogen as N		11-Oct-2022		1.35	mg/l
	Dichloromethane	TM208	11-Oct-2022		<0.005	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Oct-2022		766	µS/cm
			08-Nov-2022		668	µS/cm
			12-Dec-2022		462	µS/cm
	pH (lab)		11-Oct-2022		8.07	pH units
			08-Nov-2022		7.76	pH units
			12-Dec-2022		8.4	pH units
	Mecoprop	TM411	11-Oct-2022		<0.00004	mg/l
SW205a	Ionic balance	Calulation	11-Oct-2022		1.13	%
	Electrical conductivity (field)	Field	24-Oct-2022		403	µS/cm
			07-Nov-2022		381	µS/cm
			12-Dec-2022		248	µS/cm

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
SW205a	Groundwater level/dip	Field	24-Oct-2022		72mm	m
			07-Nov-2022		100mm	m
			12-Dec-2022		42mm	m
	Water temperature		24-Oct-2022		12.6	°C
			07-Nov-2022		14.7	°C
			12-Dec-2022		8.9	°C
	Total Suspended solids	TM022	11-Oct-2022	<70 mg/l	2.2	mg/l
			22-Nov-2022	<70 mg/l	10.9	mg/l
			12-Dec-2022	<70 mg/l	8.45	mg/l
	Bicarbonate alkalinity as CaCO3 (filtered)	TM043	11-Oct-2022		256	mg/l
	Total Alkalinity as CaCO3		11-Oct-2022		259	mg/l
	Total alkalinity as CaCO3 (filtered)		11-Oct-2022		261	mg/l
	Total organic carbon	TM090	11-Oct-2022		24.9	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Oct-2022	<1.0 mg/l	0.37	mg/l
			22-Nov-2022	<1.0 mg/l	0.4	mg/l
			12-Dec-2022	<1.0 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Oct-2022	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Oct-2022		132	mg/l
	Chromium (filtered)		11-Oct-2022		<0.001	mg/l
	Iron (filtered)		11-Oct-2022		0.0504	mg/l
	Lead (filtered)		11-Oct-2022		<0.0002	mg/l
	Magnesium (filtered)		11-Oct-2022		12.7	mg/l
	Manganese (filtered)		11-Oct-2022		0.0376	mg/l
	Nickel (filtered)		11-Oct-2022		0.00411	mg/l
	Potassium (filtered)		11-Oct-2022		58.2	mg/l
	Sodium (filtered)		11-Oct-2022		29.1	mg/l
	Zinc (filtered)		11-Oct-2022		0.00507	mg/l
	4-Methylphenol	TM176	11-Oct-2022	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		11-Oct-2022	<0.003 mg/l	<0.001	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
SW205a	Chloride	TM184	11-Oct-2022	<150 mg/l	90.7	mg/l
			22-Nov-2022	<150 mg/l	41.1	mg/l
			12-Dec-2022	<150 mg/l	27.7	mg/l
	Nitrate as NO3		11-Oct-2022		18.2	mg/l
	Nitrite as NO2		11-Oct-2022		0.215	mg/l
	Sulphate		11-Oct-2022		102	mg/l
	Total Oxidised Nitrogen as N		11-Oct-2022		4.18	mg/l
	Dichloromethane	TM208	11-Oct-2022	<0.002 mg/l	<0.0045	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Oct-2022		899	µS/cm
			22-Nov-2022		518	µS/cm
			12-Dec-2022		451	µS/cm
	pH (lab)		11-Oct-2022	6 to 9 pH units	8.26	pH units
			22-Nov-2022	6 to 9 pH units	7.99	pH units
			12-Dec-2022	6 to 9 pH units	8.41	pH units
	Mecoprop	TM411	11-Oct-2022	<0.000055 mg/l	<0.00004	mg/l
	SW206	Calulation	11-Oct-2022		0.76	%
			24-Oct-2022		163	µS/cm
			07-Nov-2022		112	µS/cm
			12-Dec-2022		143	µS/cm
			24-Oct-2022		68mm	m
			07-Nov-2022		120mm	m
			12-Dec-2022		38mm	m
			24-Oct-2022		11.8	°C
			07-Nov-2022		13	°C
			12-Dec-2022		5.4	°C
			11-Oct-2022	<50 mg/l	10.6	mg/l
			08-Nov-2022	<50 mg/l	3.25	mg/l
			12-Dec-2022	<50 mg/l	2	mg/l
	Bicarbonate alkalinity as CaCO3 (filtered)	TM043	11-Oct-2022		175	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
SW206	Total Alkalinity as CaCO3	TM043	11-Oct-2022		174	mg/l
	Total alkalinity as CaCO3 (filtered)		11-Oct-2022		175	mg/l
	Total organic carbon	TM090	11-Oct-2022		11.4	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Oct-2022	<1.0 mg/l	<0.2	mg/l
			08-Nov-2022	<1.0 mg/l	<0.2	mg/l
			12-Dec-2022	<1.0 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Oct-2022	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Oct-2022		80.1	mg/l
	Chromium (filtered)		11-Oct-2022		<0.001	mg/l
	Iron (filtered)		11-Oct-2022		0.0429	mg/l
	Lead (filtered)		11-Oct-2022		<0.0002	mg/l
	Magnesium (filtered)		11-Oct-2022		7.08	mg/l
	Manganese (filtered)		11-Oct-2022		0.0257	mg/l
	Nickel (filtered)		11-Oct-2022		0.00188	mg/l
	Potassium (filtered)		11-Oct-2022		21.4	mg/l
	Sodium (filtered)		11-Oct-2022		15.6	mg/l
	Zinc (filtered)		11-Oct-2022		0.00895	mg/l
	4-Methylphenol	TM176	11-Oct-2022	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		11-Oct-2022	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	11-Oct-2022	<150 mg/l	38.9	mg/l
			08-Nov-2022	<150 mg/l	17.4	mg/l
			12-Dec-2022	<150 mg/l	12.7	mg/l
	Nitrate as NO3		11-Oct-2022		10.7	mg/l
	Nitrite as NO2		11-Oct-2022		0.074	mg/l
	Sulphate		11-Oct-2022		45.3	mg/l
	Total Oxidised Nitrogen as N		11-Oct-2022		2.43	mg/l
	Dichloromethane	TM208	11-Oct-2022	<0.002 mg/l	<0.005	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Oct-2022		514	µS/cm
			08-Nov-2022		210	µS/cm

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
SW206	Electrical conductivity @20°C (lab)	TM256	12-Dec-2022		311	µS/cm
	pH (lab)		11-Oct-2022	6 to 9 pH units	8.13	pH units
			08-Nov-2022	6 to 9 pH units	7.8	pH units
			12-Dec-2022	6 to 9 pH units	8.35	pH units
	Mecoprop	TM411	11-Oct-2022	<0.000055 mg/l	<0.00004	mg/l
SW207	Ionic balance	Calulation	11-Oct-2022		1.13	%
	Electrical conductivity (field)	Field	24-Oct-2022		205	µS/cm
			07-Nov-2022		154	µS/cm
			12-Dec-2022		226	µS/cm
	Groundwater level/dip		24-Oct-2022		81mm	m
			07-Nov-2022		184mm	m
			12-Dec-2022		53mm	m
	Water temperature		24-Oct-2022		12.3	°C
			07-Nov-2022		13.9	°C
			12-Dec-2022		8.7	°C
	Total Suspended solids	TM022	11-Oct-2022		<2	mg/l
			08-Nov-2022		4.75	mg/l
			12-Dec-2022		<2	mg/l
	Bicarbonate alkalinity as CaCO3 (filtered)	TM043	11-Oct-2022		125	mg/l
	Total Alkalinity as CaCO3		11-Oct-2022		125	mg/l
	Total alkalinity as CaCO3 (filtered)		11-Oct-2022		125	mg/l
	Total organic carbon	TM090	11-Oct-2022		15.3	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Oct-2022		<0.2	mg/l
			08-Nov-2022		<0.2	mg/l
			12-Dec-2022		<0.2	mg/l
	Cadmium (filtered)	TM152	11-Oct-2022		<0.00008	mg/l
	Calcium (filtered)		11-Oct-2022		58.4	mg/l
	Chromium (filtered)		11-Oct-2022		<0.001	mg/l
	Iron (filtered)		11-Oct-2022		0.114	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾
SW207	Lead (filtered)	TM152	11-Oct-2022		0.000386	mg/l
	Magnesium (filtered)		11-Oct-2022		5.62	mg/l
	Manganese (filtered)		11-Oct-2022		0.0177	mg/l
	Nickel (filtered)		11-Oct-2022		0.00207	mg/l
	Potassium (filtered)		11-Oct-2022		15.9	mg/l
	Sodium (filtered)		11-Oct-2022		14.2	mg/l
	Zinc (filtered)		11-Oct-2022		0.0163	mg/l
	4-Methylphenol	TM176	11-Oct-2022		<0.002	mg/l
	Diethyl phthalate		11-Oct-2022		<0.002	mg/l
	Chloride	TM184	11-Oct-2022		31.1	mg/l
			08-Nov-2022		23.9	mg/l
			12-Dec-2022		15.5	mg/l
	Nitrate as NO3		11-Oct-2022		11.1	mg/l
	Nitrite as NO2		11-Oct-2022		0.201	mg/l
	Sulphate		11-Oct-2022		35.9	mg/l
	Total Oxidised Nitrogen as N		11-Oct-2022		2.56	mg/l
	Dichloromethane	TM208	11-Oct-2022		<0.0055	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Oct-2022		393	µS/cm
			08-Nov-2022		278	µS/cm
			12-Dec-2022		339	µS/cm
			11-Oct-2022		8.02	pH units
			08-Nov-2022		7.83	pH units
			12-Dec-2022		8.35	pH units
	Mecoprop	TM411	11-Oct-2022		<0.00004	mg/l

(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 above base of ditch / stream.

(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: 04 January 2023

(Authorised to sign as representative of
Operator)