

Operator: CWM Environmental Ltd
Permit: CP3735PB

Installation: Nantycaws Landfill Site
Form: Groundwaters Q1 2023

Reporting of groundwater monitoring for the period 01-Jan-2023 to 31-Mar-2023

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH208	Base of well/borehole/sump	Field	11-Jan-2023		9.25	m
	Electrical conductivity (field)		11-Jan-2023		108	µS/cm
			06-Feb-2023		225	µS/cm
			09-Mar-2023		147	µS/cm
	Groundwater level/dip		11-Jan-2023		0.12	m
			06-Feb-2023		0.21	m
			09-Mar-2023		0.1	m
	Water temperature		11-Jan-2023		11.1	°C
			06-Feb-2023		10.7	°C
			09-Mar-2023		10.1	°C
	Total Alkalinity as CaCO3	TM043	11-Jan-2023		28	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	<0.2	mg/l
			06-Feb-2023	<5.5 mg/l	<0.2	mg/l
			07-Mar-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		10.8	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.00103	mg/l
	Iron (filtered)		11-Jan-2023		<0.019	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		1.48	mg/l
	Manganese (filtered)		11-Jan-2023		<0.003	mg/l
	Nickel (filtered)		11-Jan-2023	<0.02 mg/l	<0.0004	mg/l
	Potassium (filtered)		11-Jan-2023		2.79	mg/l
	Sodium (filtered)		11-Jan-2023		6.03	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH208	Zinc (filtered)	TM152	11-Jan-2023		0.00524	mg/l
	4-Methylphenol	TM176	11-Jan-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		11-Jan-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	15.8	mg/l
			06-Feb-2023	<150 mg/l	18.8	mg/l
			07-Mar-2023	<150 mg/l	49	mg/l
	Nitrate as NO3		11-Jan-2023		2.79	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		<2	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		0.63	mg/l
	Dichloromethane	TM208	11-Jan-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		112	µS/cm
			06-Feb-2023		456	µS/cm
			07-Mar-2023		268	µS/cm
	Mecoprop	TM411	11-Jan-2023	<0.000055 mg/l	<0.00004	mg/l
BH3/2	Base of well/borehole/sump	Field	11-Jan-2023		9.7	m
	Electrical conductivity (field)		11-Jan-2023		99	µS/cm
	Groundwater level/dip		11-Jan-2023		0.42	m
			06-Feb-2023		4.1	m
			09-Mar-2023		3.49	m
	Water temperature		11-Jan-2023		10.2	°C
	Total Alkalinity as CaCO3	TM043	11-Jan-2023		24.5	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023		<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		27.7	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.00265	mg/l
	Iron (filtered)		11-Jan-2023		0.0847	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		2.92	mg/l
	Manganese (filtered)		11-Jan-2023		<0.003	mg/l
	Nickel (filtered)		11-Jan-2023		0.000786	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/2	Potassium (filtered)	TM152	11-Jan-2023		0.701	mg/l
	Sodium (filtered)		11-Jan-2023		11.8	mg/l
	Zinc (filtered)		11-Jan-2023		0.00201	mg/l
	4-Methylphenol	TM176	11-Jan-2023		<0.001	mg/l
	Diethyl phthalate		11-Jan-2023		<0.001	mg/l
	Chloride		11-Jan-2023	<150 mg/l	19.6	mg/l
	Nitrate as NO3		11-Jan-2023		0.314	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		57.5	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		<0.1	mg/l
	Dichloromethane	TM208	11-Jan-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		217	µS/cm
	Mecoprop	TM411	11-Jan-2023		<0.00004	mg/l
BH3/3	Base of well/borehole/sump	Field	11-Jan-2023		11.65	m
	Electrical conductivity (field)		11-Jan-2023		133	µS/cm
	Groundwater level/dip		11-Jan-2023		ART	m
			06-Feb-2023		ART	m
			09-Mar-2023		ART	m
	Water temperature	TM043	11-Jan-2023		8.4	°C
	Total Alkalinity as CaCO3		11-Jan-2023		140	mg/l
	Ammoniacal Nitrogen as N		11-Jan-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)		11-Jan-2023		<0.00008	mg/l
	Calcium (filtered)	TM152	11-Jan-2023		50	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.000682	mg/l
	Iron (filtered)		11-Jan-2023		<0.019	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		4.31	mg/l
	Manganese (filtered)		11-Jan-2023		<0.003	mg/l
	Nickel (filtered)		11-Jan-2023		<0.0004	mg/l
	Potassium (filtered)		11-Jan-2023		0.985	mg/l
	Sodium (filtered)		11-Jan-2023		6.72	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/3	Zinc (filtered)	TM152	11-Jan-2023		0.00148	mg/l
	4-Methylphenol	TM176	11-Jan-2023		<0.001	mg/l
	Diethyl phthalate		11-Jan-2023		<0.001	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	12.1	mg/l
	Nitrate as NO3		11-Jan-2023		10.6	mg/l
	Nitrite as NO2		11-Jan-2023		0.104	mg/l
	Sulphate		11-Jan-2023		7.8	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		2.43	mg/l
	Dichloromethane	TM208	11-Jan-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		291	µS/cm
	Mecoprop	TM411	11-Jan-2023		<0.00004	mg/l
BH3/4	Base of well/borehole/sump	Field	11-Jan-2023		11.67	m
	Electrical conductivity (field)		11-Jan-2023		310	µS/cm
			06-Feb-2023		176	µS/cm
			09-Mar-2023		122	µS/cm
	Groundwater level/dip		11-Jan-2023		0.7	m
			06-Feb-2023		1.05	m
			09-Mar-2023		1.34	m
	Water temperature		11-Jan-2023		5.7	°C
			06-Feb-2023		8.6	°C
			09-Mar-2023		9.1	°C
	Total Alkalinity as CaCO3	TM043	11-Jan-2023		235	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	<0.2	mg/l
			06-Feb-2023	<5.5 mg/l	<0.2	mg/l
			07-Mar-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		99.1	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.00708	mg/l
	Iron (filtered)		11-Jan-2023		<0.019	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		11.2	mg/l

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BH3/4	Manganese (filtered)	TM152	11-Jan-2023		<0.003	mg/l
	Nickel (filtered)		11-Jan-2023	<0.02 mg/l	0.00482	mg/l
	Potassium (filtered)		11-Jan-2023		45.1	mg/l
	Sodium (filtered)		11-Jan-2023		24.1	mg/l
	Zinc (filtered)		11-Jan-2023		0.00179	mg/l
	4-Methylphenol	TM176	11-Jan-2023	<0.001 mg/l	<0.004	mg/l
	Diethyl phthalate		11-Jan-2023	<0.003 mg/l	<0.004	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	63.3	mg/l
			06-Feb-2023	<150 mg/l	13.7	mg/l
			07-Mar-2023	<150 mg/l	35.7	mg/l
	Nitrate as NO3		11-Jan-2023		2.73	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		78.3	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		0.617	mg/l
	Dichloromethane	TM208	11-Jan-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		692	µS/cm
			06-Feb-2023		150	µS/cm
			07-Mar-2023		271	µS/cm
	Mecoprop	TM411	11-Jan-2023	<0.000055 mg/l	<0.00004	mg/l
BH3/5	Base of well/borehole/sump	Field	11-Jan-2023		6.62	m
	Electrical conductivity (field)		11-Jan-2023		128	µS/cm
	Groundwater level/dip		11-Jan-2023		2	m
			06-Feb-2023		3.06	m
			09-Mar-2023		3.59	m
	Water temperature		11-Jan-2023		5.6	°C
	Total Alkalinity as CaCO3	TM043	11-Jan-2023		80	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023		<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		37.8	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.00387	mg/l
	Iron (filtered)		11-Jan-2023		0.0427	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/5	Lead (filtered)	TM152	11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		0.987	mg/l
	Manganese (filtered)		11-Jan-2023		<0.003	mg/l
	Nickel (filtered)	TM176	11-Jan-2023		0.00102	mg/l
	Potassium (filtered)		11-Jan-2023		3.34	mg/l
	Sodium (filtered)		11-Jan-2023		5.18	mg/l
	Zinc (filtered)		11-Jan-2023		0.00244	mg/l
	4-Methylphenol		11-Jan-2023		<0.001	mg/l
	Diethyl phthalate		11-Jan-2023		<0.001	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	13.2	mg/l
	Nitrate as NO3		11-Jan-2023		7.51	mg/l
	Nitrite as NO2		11-Jan-2023		0.157	mg/l
	Sulphate		11-Jan-2023		9.9	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		1.74	mg/l
	Dichloromethane	TM208	11-Jan-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		216	µS/cm
	Mecoprop	TM411	11-Jan-2023		0.0000638	mg/l
BH3/6	Base of well/borehole/sump	Field	11-Jan-2023		10	m
	Electrical conductivity (field)		11-Jan-2023		596	µS/cm
	Groundwater level/dip		11-Jan-2023		1.1	m
			06-Feb-2023		4.25	m
			09-Mar-2023		4.25	m
	Water temperature		11-Jan-2023		22.6	°C
	Total Alkalinity as CaCO3	TM043	11-Jan-2023		160	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	0.367	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023		<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		302	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.00404	mg/l
	Iron (filtered)		11-Jan-2023		0.0309	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		17.9	mg/l

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BH3/6	Manganese (filtered)	TM152	11-Jan-2023		0.127	mg/l
	Nickel (filtered)		11-Jan-2023		0.00254	mg/l
	Potassium (filtered)		11-Jan-2023		13.4	mg/l
	Sodium (filtered)		11-Jan-2023		22.3	mg/l
	Zinc (filtered)		11-Jan-2023		0.00957	mg/l
	4-Methylphenol	TM176	11-Jan-2023		<0.001	mg/l
	Diethyl phthalate		11-Jan-2023		<0.001	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	32.2	mg/l
	Nitrate as NO3		11-Jan-2023		13.6	mg/l
	Nitrite as NO2		11-Jan-2023		0.394	mg/l
	Sulphate		11-Jan-2023		623	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		3.19	mg/l
	Dichloromethane	TM208	11-Jan-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		1230	µS/cm
	Mecoprop	TM411	11-Jan-2023		<0.00004	mg/l
BH3/8	Base of well/borehole/sump	Field	11-Jan-2023		10.54	m
	Electrical conductivity (field)		11-Jan-2023		552	µS/cm
	Groundwater level/dip		11-Jan-2023		0.9	m
			06-Feb-2023		0.77	m
			09-Mar-2023		1.18	m
	Water temperature		11-Jan-2023		5.9	°C
	Total Alkalinity as CaCO3	TM043	11-Jan-2023		125	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023		<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		217	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.00352	mg/l
	Iron (filtered)		11-Jan-2023		<0.019	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		11.1	mg/l
	Manganese (filtered)		11-Jan-2023		<0.003	mg/l
	Nickel (filtered)		11-Jan-2023		0.00304	mg/l

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BH3/8	Potassium (filtered)	TM152	11-Jan-2023		20	mg/l
	Sodium (filtered)		11-Jan-2023		68	mg/l
	Zinc (filtered)		11-Jan-2023		0.00153	mg/l
	4-Methylphenol	TM176	11-Jan-2023		<0.001	mg/l
	Diethyl phthalate		11-Jan-2023		<0.001	mg/l
	Chloride		11-Jan-2023	<150 mg/l	117	mg/l
	Nitrate as NO3		11-Jan-2023		12.3	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		444	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		2.79	mg/l
	Dichloromethane	TM208	11-Jan-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		1200	µS/cm
	Mecoprop	TM411	11-Jan-2023		<0.00004	mg/l
BH3/9	Base of well/borehole/sump	Field	11-Jan-2023		10.48	m
	Electrical conductivity (field)		11-Jan-2023		132	µS/cm
	Groundwater level/dip		11-Jan-2023		1.35	m
			06-Feb-2023		3.95	m
			09-Mar-2023		4.65	m
	Water temperature	TM043	11-Jan-2023		5.7	°C
	Total Alkalinity as CaCO3		11-Jan-2023		15.5	mg/l
	Ammoniacal Nitrogen as N		11-Jan-2023	<5.5 mg/l	0.353	mg/l
	Cadmium (filtered)		11-Jan-2023		<0.00008	mg/l
	Calcium (filtered)	TM152	11-Jan-2023		6.31	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.000524	mg/l
	Iron (filtered)		11-Jan-2023		0.0296	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		0.523	mg/l
	Manganese (filtered)		11-Jan-2023		<0.003	mg/l
	Nickel (filtered)		11-Jan-2023		0.000445	mg/l
	Potassium (filtered)		11-Jan-2023		<0.2	mg/l
	Sodium (filtered)		11-Jan-2023		4.19	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/9	Zinc (filtered)	TM152	11-Jan-2023		0.00187	mg/l
	4-Methylphenol	TM176	11-Jan-2023		<0.001	mg/l
	Diethyl phthalate		11-Jan-2023		<0.001	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	10.2	mg/l
	Nitrate as NO3		11-Jan-2023		1.07	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		<2	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		0.241	mg/l
	Dichloromethane	TM208	11-Jan-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		67.5	µS/cm
	Mecoprop	TM411	11-Jan-2023		<0.00004	mg/l
BH5/02	Base of well/borehole/sump	Field	11-Jan-2023		5.1	m
	Electrical conductivity (field)		11-Jan-2023		180	µS/cm
			06-Feb-2023		219	µS/cm
			09-Mar-2023		213	µS/cm
	Groundwater level/dip		11-Jan-2023		1.77	m
			06-Feb-2023		1.92	m
			09-Mar-2023		1.78	m
	Water temperature		11-Jan-2023		14.5	°C
			06-Feb-2023		12.3	°C
			09-Mar-2023		11.9	°C
	Total Alkalinity as CaCO3	TM043	11-Jan-2023		210	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	0.594	mg/l
			06-Feb-2023	<5.5 mg/l	<0.2	mg/l
			07-Mar-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		76.1	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.00196	mg/l
	Iron (filtered)		11-Jan-2023		0.0415	mg/l
	Lead (filtered)		11-Jan-2023		0.000512	mg/l
	Magnesium (filtered)		11-Jan-2023		6.29	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾	
BH5/02	Manganese (filtered)	TM152	11-Jan-2023		0.0385	mg/l	
	Nickel (filtered)		11-Jan-2023	<0.02 mg/l	0.000956	mg/l	
	Potassium (filtered)		11-Jan-2023		12.4	mg/l	
	Sodium (filtered)		11-Jan-2023		13.6	mg/l	
	Zinc (filtered)		11-Jan-2023		0.00708	mg/l	
	4-Methylphenol	TM176	11-Jan-2023	<0.001 mg/l	<0.001	mg/l	
	Diethyl phthalate		11-Jan-2023	<0.003 mg/l	<0.001	mg/l	
	Chloride	TM184	11-Jan-2023	<150 mg/l	22.8	mg/l	
			06-Feb-2023	<150 mg/l	25.7	mg/l	
			07-Mar-2023	<150 mg/l	17.5	mg/l	
	Nitrate as NO3		11-Jan-2023		9.02	mg/l	
	Nitrite as NO2		11-Jan-2023		0.055	mg/l	
	Sulphate		11-Jan-2023		17.2	mg/l	
	Total Oxidised Nitrogen as N		11-Jan-2023		2.05	mg/l	
	Dichloromethane	TM208	11-Jan-2023	<0.002 mg/l	<0.003	mg/l	
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		453	µS/cm	
			06-Feb-2023		459	µS/cm	
			07-Mar-2023		468	µS/cm	
		Mecoprop	TM411	11-Jan-2023	<0.000055 mg/l	<0.00004	mg/l
NACW203	Base of well/borehole/sump	Field	11-Jan-2023		15.94	m	
	Electrical conductivity (field)		11-Jan-2023		248	µS/cm	
			06-Feb-2023		207	µS/cm	
				09-Mar-2023		130	µS/cm
	Groundwater level/dip		11-Jan-2023		0.1	m	
			06-Feb-2023		0.2	m	
			09-Mar-2023		0.26	m	
	Water temperature		11-Jan-2023		11.5	°C	
			06-Feb-2023		7.6	°C	
			09-Mar-2023		7.6	°C	
		Total Alkalinity as CaCO3	TM043	11-Jan-2023		245	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	<0.2	mg/l	
			06-Feb-2023	<5.5 mg/l	<0.2	mg/l	

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW203	Ammoniacal Nitrogen as N	TM099	07-Mar-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		94.8	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.00197	mg/l
	Iron (filtered)		11-Jan-2023		<0.019	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		8.75	mg/l
	Manganese (filtered)		11-Jan-2023		<0.003	mg/l
	Nickel (filtered)		11-Jan-2023	<0.02 mg/l	<0.0004	mg/l
	Potassium (filtered)		11-Jan-2023		1.37	mg/l
	Sodium (filtered)		11-Jan-2023		14.1	mg/l
	Zinc (filtered)		11-Jan-2023		0.00682	mg/l
	4-Methylphenol	TM176	11-Jan-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		11-Jan-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	41.9	mg/l
			06-Feb-2023	<150 mg/l	37.4	mg/l
			07-Mar-2023	<150 mg/l	40	mg/l
	Nitrate as NO3		11-Jan-2023		9.41	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		11.6	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		2.13	mg/l
	Dichloromethane	TM208	11-Jan-2023	<0.002 mg/l	<0.003	mg/l
NACW205	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		549	µS/cm
			06-Feb-2023		432	µS/cm
			07-Mar-2023		264	µS/cm
	Mecoprop	TM411	11-Jan-2023	<0.000055 mg/l	0.000114	mg/l
	Base of well/borehole/sump	Field	11-Jan-2023		19.62	m
	Electrical conductivity (field)		11-Jan-2023		252	µS/cm
			06-Feb-2023		243	µS/cm
			09-Mar-2023		242	µS/cm
	Groundwater level/dip		11-Jan-2023		0.68	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW205	Groundwater level/dip	Field	06-Feb-2023		0.88	m
			09-Mar-2023		0.93	m
	Water temperature		11-Jan-2023		11.5	°C
			06-Feb-2023		10.8	°C
			09-Mar-2023		10.1	°C
	Total Alkalinity as CaCO3	TM043	11-Jan-2023		215	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	<0.2	mg/l
			06-Feb-2023	<5.5 mg/l	<0.2	mg/l
			07-Mar-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		105	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.000425	mg/l
	Iron (filtered)		11-Jan-2023		<0.019	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		7.86	mg/l
	Manganese (filtered)		11-Jan-2023		<0.003	mg/l
	Nickel (filtered)		11-Jan-2023	<0.02 mg/l	<0.0004	mg/l
	Potassium (filtered)		11-Jan-2023		1.01	mg/l
	Sodium (filtered)		11-Jan-2023		11.1	mg/l
	Zinc (filtered)		11-Jan-2023		0.0101	mg/l
	4-Methylphenol	TM176	11-Jan-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		11-Jan-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	42.2	mg/l
			06-Feb-2023	<150 mg/l	37.6	mg/l
			07-Mar-2023	<150 mg/l	44.3	mg/l
	Nitrate as NO3		11-Jan-2023		9.41	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		19.6	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		2.13	mg/l
	Dichloromethane	TM208	11-Jan-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		515	µS/cm

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW205	Electrical conductivity @20°C (lab)	TM256	06-Feb-2023		521	µS/cm
			07-Mar-2023		564	µS/cm
	Mecoprop	TM411	11-Jan-2023	<0.000055 mg/l	<0.00004	mg/l
NACW212	Base of well/borehole/sump	Field	11-Jan-2023		9.1	m
	Electrical conductivity (field)		11-Jan-2023		293	µS/cm
			06-Feb-2023		304	µS/cm
			09-Mar-2023		268	µS/cm
	Groundwater level/dip		11-Jan-2023		0.4	m
			06-Feb-2023		1.16	m
			09-Mar-2023		1.06	m
	Water temperature		11-Jan-2023		10.3	°C
			06-Feb-2023		6.5	°C
			09-Mar-2023		8.7	°C
	Total Alkalinity as CaCO3	TM043	11-Jan-2023		90	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	<0.2	mg/l
			06-Feb-2023	<5.5 mg/l	0.394	mg/l
			07-Mar-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		128	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.00724	mg/l
	Iron (filtered)		11-Jan-2023		0.0579	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		7.65	mg/l
	Manganese (filtered)		11-Jan-2023		<0.003	mg/l
	Nickel (filtered)		11-Jan-2023	<0.037 mg/l	0.00278	mg/l
	Potassium (filtered)		11-Jan-2023		6.4	mg/l
	Sodium (filtered)		11-Jan-2023		12.6	mg/l
	Zinc (filtered)		11-Jan-2023		0.116	mg/l
	4-Methylphenol	TM176	11-Jan-2023	<0.001 mg/l	<0.004	mg/l
	Diethyl phthalate		11-Jan-2023	<0.003 mg/l	<0.004	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	22.8	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW212	Chloride	TM184	06-Feb-2023	<150 mg/l	21.4	mg/l
			07-Mar-2023	<150 mg/l	22.2	mg/l
	Nitrate as NO3		11-Jan-2023		25.7	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		245	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		5.8	mg/l
	Dichloromethane	TM208	11-Jan-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		645	µS/cm
			06-Feb-2023		630	µS/cm
			07-Mar-2023		578	µS/cm
	Mecoprop	TM411	11-Jan-2023	<0.000055 mg/l	<0.00004	mg/l
NACW213	Base of well/borehole/sump	Field	11-Jan-2023		12.86	m
	Groundwater level/dip		11-Jan-2023		2.15	m
			06-Feb-2023		2.23	m
			09-Mar-2023		2.13	m
NACW219	Base of well/borehole/sump		11-Jan-2023		15.2	m
	Electrical conductivity (field)		11-Jan-2023		192	µS/cm
	Groundwater level/dip		11-Jan-2023		4.75	m
			06-Feb-2023		5.05	m
			09-Mar-2023		5.2	m
	Water temperature		11-Jan-2023		10.2	°C
	Total Alkalinity as CaCO3	TM043	11-Jan-2023		145	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023		<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		66.6	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.00154	mg/l
	Iron (filtered)		11-Jan-2023		<0.019	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		4.62	mg/l
	Manganese (filtered)		11-Jan-2023		0.111	mg/l
	Nickel (filtered)		11-Jan-2023		0.00105	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW219	Potassium (filtered)	TM152	11-Jan-2023		0.959	mg/l
	Sodium (filtered)		11-Jan-2023		8.23	mg/l
	Zinc (filtered)		11-Jan-2023		0.00367	mg/l
	4-Methylphenol	TM176	11-Jan-2023		<0.001	mg/l
	Diethyl phthalate		11-Jan-2023		<0.001	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	21.2	mg/l
	Nitrate as NO3		11-Jan-2023		1.13	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		36	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		0.254	mg/l
	Dichloromethane	TM208	11-Jan-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		367	µS/cm
	Mecoprop	TM411	11-Jan-2023		<0.00004	mg/l
NACW227	Base of well/borehole/sump	Field	11-Jan-2023		5.8	m
	Electrical conductivity (field)		09-Mar-2023		220	µS/cm
	Groundwater level/dip		11-Jan-2023		DRY	m
			06-Feb-2023		DRY	m
			09-Mar-2023		4.39	m
	Water temperature		09-Mar-2023		9.1	°C
	Ammoniacal Nitrogen as N	TM099	07-Mar-2023	<5.5 mg/l	1.98	mg/l
NACW228	Chloride	TM184	07-Mar-2023	<150 mg/l	70.5	mg/l
	Electrical conductivity @20°C (lab)	TM256	07-Mar-2023		457	µS/cm
	Base of well/borehole/sump	Field	11-Jan-2023		7.63	m
	Electrical conductivity (field)		11-Jan-2023		172	µS/cm
			06-Feb-2023		120	µS/cm
			09-Mar-2023		263	µS/cm
	Groundwater level/dip		11-Jan-2023		3.91	m
			06-Feb-2023		4.45	m
			09-Mar-2023		4.47	m
	Water temperature		11-Jan-2023		10.1	°C
			06-Feb-2023		5.4	°C
			09-Mar-2023		10.1	°C

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW228	Total Alkalinity as CaCO3	TM043	11-Jan-2023		60	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	<0.2	mg/l
			06-Feb-2023	<5.5 mg/l	0.248	mg/l
			07-Mar-2023	<5.5 mg/l	1.76	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		20.8	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.000622	mg/l
	Iron (filtered)		11-Jan-2023		<0.019	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		1.57	mg/l
	Manganese (filtered)		11-Jan-2023		<0.003	mg/l
	Nickel (filtered)		11-Jan-2023	<0.02 mg/l	<0.0004	mg/l
	Potassium (filtered)		11-Jan-2023		0.378	mg/l
	Sodium (filtered)		11-Jan-2023		4.29	mg/l
	Zinc (filtered)		11-Jan-2023		0.00366	mg/l
	4-Methylphenol	TM176	11-Jan-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		11-Jan-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	10.4	mg/l
			06-Feb-2023	<150 mg/l	18.4	mg/l
			07-Mar-2023	<150 mg/l	105	mg/l
	Nitrate as NO3		11-Jan-2023		2.16	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		<2	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		0.487	mg/l
	Dichloromethane	TM208	11-Jan-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		134	µS/cm
			06-Feb-2023		255	µS/cm
			07-Mar-2023		588	µS/cm
	Mecoprop	TM411	11-Jan-2023	<0.000055 mg/l	<0.00004	mg/l
NACW229	Base of well/borehole/sump	Field	11-Jan-2023		7.8	m
	Electrical conductivity (field)		11-Jan-2023		122	µS/cm

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW229	Groundwater level/dip	Field	11-Jan-2023		0.98	m
			06-Feb-2023		1.17	m
			09-Mar-2023		1.16	m
	Water temperature		11-Jan-2023		10.6	°C
	Total Alkalinity as CaCO3	TM043	11-Jan-2023		39	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023		<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		36.5	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.000832	mg/l
	Iron (filtered)		11-Jan-2023		<0.019	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		4.49	mg/l
	Manganese (filtered)		11-Jan-2023		<0.003	mg/l
	Nickel (filtered)		11-Jan-2023		0.000478	mg/l
	Potassium (filtered)		11-Jan-2023		0.433	mg/l
	Sodium (filtered)		11-Jan-2023		7.34	mg/l
	Zinc (filtered)		11-Jan-2023		0.00283	mg/l
	4-Methylphenol	TM176	11-Jan-2023		<0.001	mg/l
	Diethyl phthalate		11-Jan-2023		<0.001	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	19.8	mg/l
	Nitrate as NO3		11-Jan-2023		3.39	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		71	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		0.765	mg/l
	Dichloromethane	TM208	11-Jan-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		268	µS/cm
	Mecoprop	TM411	11-Jan-2023		<0.00004	mg/l
NACW230	Base of well/borehole/sump	Field	11-Jan-2023		19.3	m
	Groundwater level/dip		11-Jan-2023		0.54	m
			06-Feb-2023		1	m
			09-Mar-2023		1.18	m

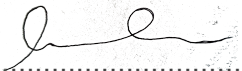
Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
UD1	Total Alkalinity as CaCO3	TM043	11-Jan-2023		245	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	<0.2	mg/l
			06-Feb-2023	<5.5 mg/l	0.279	mg/l
			07-Mar-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		106	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.000573	mg/l
	Iron (filtered)		11-Jan-2023		<0.019	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		9.09	mg/l
	Manganese (filtered)		11-Jan-2023		0.0234	mg/l
	Nickel (filtered)		11-Jan-2023	<0.02 mg/l	<0.0004	mg/l
	Potassium (filtered)		11-Jan-2023		1.15	mg/l
	Sodium (filtered)		11-Jan-2023		12.5	mg/l
	Zinc (filtered)		11-Jan-2023		0.00689	mg/l
	4-Methylphenol	TM176	11-Jan-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		11-Jan-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	49.8	mg/l
			06-Feb-2023	<150 mg/l	50.4	mg/l
			07-Mar-2023	<150 mg/l	50.7	mg/l
	Nitrate as NO3		11-Jan-2023		9.27	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		12.8	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		2.09	mg/l
	Dichloromethane	TM208	11-Jan-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		574	µS/cm
			06-Feb-2023		568	µS/cm
			07-Mar-2023		599	µS/cm
	Mecoprop	TM411	11-Jan-2023	<0.000055 mg/l	0.0000731	mg/l
UD3	Total Alkalinity as CaCO3	TM043	11-Jan-2023		225	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	<0.2	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
UD3	Ammoniacal Nitrogen as N	TM099	06-Feb-2023	<5.5 mg/l	<0.2	mg/l
			07-Mar-2023	<5.5 mg/l	<0.2	mg/l
			11-Jan-2023	<0.0001 mg/l	<0.00008	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023			mg/l
	Calcium (filtered)		11-Jan-2023		87.9	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.000792	mg/l
	Iron (filtered)		11-Jan-2023		<0.019	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		7.84	mg/l
	Manganese (filtered)		11-Jan-2023		<0.003	mg/l
	Nickel (filtered)		11-Jan-2023	<0.02 mg/l	<0.0004	mg/l
	Potassium (filtered)		11-Jan-2023		1.36	mg/l
	Sodium (filtered)		11-Jan-2023		11.4	mg/l
	Zinc (filtered)		11-Jan-2023		0.00756	mg/l
	4-Methylphenol	TM176	11-Jan-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		11-Jan-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	24.2	mg/l
			06-Feb-2023	<150 mg/l	17	mg/l
			07-Mar-2023	<150 mg/l	18.4	mg/l
	Nitrate as NO3		11-Jan-2023		9.93	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		12.1	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		2.24	mg/l
	Dichloromethane	TM208	11-Jan-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		465	µS/cm
			06-Feb-2023		385	µS/cm
			07-Mar-2023		406	µS/cm
	Mecoprop	TM411	11-Jan-2023	<0.000055 mg/l	<0.00004	mg/l
UD4	Total Alkalinity as CaCO3	TM043	11-Jan-2023		260	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	0.626	mg/l
			06-Feb-2023	<5.5 mg/l	0.237	mg/l
			07-Mar-2023	<5.5 mg/l	<0.2	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
UD4	Cadmium (filtered)	TM152	11-Jan-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		101	mg/l
	Chromium (filtered)		11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.00212	mg/l
	Iron (filtered)		11-Jan-2023		0.821	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		5.53	mg/l
	Manganese (filtered)		11-Jan-2023		0.15	mg/l
	Nickel (filtered)		11-Jan-2023		0.000736	mg/l
	Potassium (filtered)		11-Jan-2023		8.13	mg/l
	Sodium (filtered)		11-Jan-2023		13.7	mg/l
	Zinc (filtered)		11-Jan-2023		0.00495	mg/l
	4-Methylphenol	TM176	11-Jan-2023		<0.001 mg/l	mg/l
	Diethyl phthalate		11-Jan-2023		<0.003 mg/l	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	22.1	mg/l
			06-Feb-2023		14.3	mg/l
			07-Mar-2023		15.6	mg/l
	Nitrate as NO3		11-Jan-2023		6.32	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		20.9	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		1.43	mg/l
	Dichloromethane	TM208	11-Jan-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		532	µS/cm
			06-Feb-2023		418	µS/cm
			07-Mar-2023		437	µS/cm
	Mecoprop	TM411	11-Jan-2023	<0.000055 mg/l	0.0000688	mg/l
UD5	Total Alkalinity as CaCO3	TM043	11-Jan-2023		265	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jan-2023	<5.5 mg/l	0.625	mg/l
			06-Feb-2023	<5.5 mg/l	0.408	mg/l
			07-Mar-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jan-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jan-2023		99.8	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
UD5	Chromium (filtered)	TM152	11-Jan-2023		<0.001	mg/l
	Copper (filtered)		11-Jan-2023		0.00205	mg/l
	Iron (filtered)		11-Jan-2023		0.82	mg/l
	Lead (filtered)		11-Jan-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jan-2023		5.54	mg/l
	Manganese (filtered)		11-Jan-2023		0.151	mg/l
	Nickel (filtered)		11-Jan-2023	<0.02 mg/l	0.000899	mg/l
	Potassium (filtered)		11-Jan-2023		8.01	mg/l
	Sodium (filtered)		11-Jan-2023		13.5	mg/l
	Zinc (filtered)		11-Jan-2023		0.00771	mg/l
	4-Methylphenol	TM176	11-Jan-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		11-Jan-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	11-Jan-2023	<150 mg/l	22.1	mg/l
			06-Feb-2023	<150 mg/l	24.8	mg/l
			07-Mar-2023	<150 mg/l	21.7	mg/l
	Nitrate as NO3		11-Jan-2023		6.3	mg/l
	Nitrite as NO2		11-Jan-2023		<0.05	mg/l
	Sulphate		11-Jan-2023		21.2	mg/l
	Total Oxidised Nitrogen as N		11-Jan-2023		1.42	mg/l
	Dichloromethane	TM208	11-Jan-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jan-2023		531	µS/cm
			06-Feb-2023		424	µS/cm
			07-Mar-2023		447	µS/cm
	Mecoprop	TM411	11-Jan-2023	<0.000055 mg/l	<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 below ground level.
If the base and water level are equal (i.e. depth to base of well depth to water level = the same), the location is classed as dry and no sample could be taken.
- (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 location UD2 was dry for this quarter, therefore no lab analysis was possible.

Signature:.....

Date: 28 March 2023

(Authorised to sign as representative of
Operator)