

Operator: CWM Environmental Ltd
Permit: CP3735PB

Installation: Nantycaws Landfill Site
Form: Groundwaters Q4 2021

Reporting of groundwater monitoring for the period 01-Oct-2021 to 31-Dec-2021

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	18-Oct-2021		9.29	m
	Electrical conductivity (field)		18-Oct-2021		102	µS/cm
			09-Nov-2021		428	µS/cm
			03-Dec-2021		434	µS/cm
	Groundwater level/dip		18-Oct-2021		0.12	m
			09-Nov-2021		0.19	m
			03-Dec-2021		0.21	m
	Water temperature		18-Oct-2021		9.9	°C
			09-Nov-2021		13.4	°C
			03-Dec-2021		12.9	°C
	Total Alkalinity as CaCO3	TM043	05-Oct-2021		19.1	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
			09-Nov-2021	<5.5 mg/l	0.417	mg/l
			03-Dec-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		82	µS/cm
			09-Nov-2021		456	µS/cm
			03-Dec-2021		454	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		5.26	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.00174	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH208	Iron (filtered)	TM152	05-Oct-2021		0.0408	mg/l
	Lead (filtered)		05-Oct-2021		0.000431	mg/l
	Magnesium (filtered)		05-Oct-2021		1.06	mg/l
	Manganese (filtered)		05-Oct-2021		0.00703	mg/l
	Nickel (filtered)		05-Oct-2021	<0.02 mg/l	0.000511	mg/l
	Potassium (filtered)		05-Oct-2021		3.35	mg/l
	Sodium (filtered)		05-Oct-2021		5.95	mg/l
	Zinc (filtered)		05-Oct-2021		0.00688	mg/l
	4-Methylphenol	TM176	05-Oct-2021	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		05-Oct-2021	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	13.1	mg/l
			09-Nov-2021	<150 mg/l	16.7	mg/l
			03-Dec-2021	<150 mg/l	16.1	mg/l
	Nitrate as NO3		05-Oct-2021		4.8	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		<2	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		1.09	mg/l
	Dichloromethane	TM208	05-Oct-2021	<0.002 mg/l	<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021	<0.000055 mg/l	<0.00004	mg/l
BH3/2	Base of well/borehole/sump	Field	18-Oct-2021		9.77	m
	Electrical conductivity (field)		18-Oct-2021		182	µS/cm
	Groundwater level/dip		18-Oct-2021		0.47	m
			09-Nov-2021		2.43	m
			03-Dec-2021		2.63	m
	Water temperature		18-Oct-2021		11.6	°C
	Total Alkalinity as CaCO3	TM043	05-Oct-2021		93.9	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		206	µS/cm

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/2	Cadmium (filtered)	TM152	05-Oct-2021		<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		32.5	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.00119	mg/l
	Iron (filtered)		05-Oct-2021		0.129	mg/l
	Lead (filtered)		05-Oct-2021		0.000219	mg/l
	Magnesium (filtered)		05-Oct-2021		4.07	mg/l
	Manganese (filtered)		05-Oct-2021		0.0277	mg/l
	Nickel (filtered)		05-Oct-2021		0.000503	mg/l
	Potassium (filtered)		05-Oct-2021		0.621	mg/l
	Sodium (filtered)		05-Oct-2021		7.1	mg/l
	Zinc (filtered)		05-Oct-2021		0.00401	mg/l
	4-Methylphenol	TM176	05-Oct-2021		<0.001	mg/l
	Diethyl phthalate		05-Oct-2021		<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	9.6	mg/l
	Nitrate as NO3		05-Oct-2021		<0.3	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		6.8	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		<0.1	mg/l
	Dichloromethane	TM208	05-Oct-2021		<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021		<0.00004	mg/l
BH3/3	Base of well/borehole/sump	Field	18-Oct-2021		11.68	m
	Electrical conductivity (field)		18-Oct-2021		282	µS/cm
	Groundwater level/dip		18-Oct-2021		0.12	m
			09-Nov-2021		ART	m
			03-Dec-2021		ART	m
	Water temperature		18-Oct-2021		12.3	°C
	Total Alkalinity as CaCO3	TM043	05-Oct-2021		125	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/3	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		295	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021		<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		50.7	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.00135	mg/l
	Iron (filtered)		05-Oct-2021		0.076	mg/l
	Lead (filtered)		05-Oct-2021		0.000311	mg/l
	Magnesium (filtered)		05-Oct-2021		5.27	mg/l
	Manganese (filtered)		05-Oct-2021		0.00471	mg/l
	Nickel (filtered)		05-Oct-2021		<0.0004	mg/l
	Potassium (filtered)		05-Oct-2021		1.1	mg/l
	Sodium (filtered)		05-Oct-2021		8.09	mg/l
	Zinc (filtered)		05-Oct-2021		0.00102	mg/l
	4-Methylphenol	TM176	05-Oct-2021		<0.001	mg/l
	Diethyl phthalate		05-Oct-2021		<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	17.6	mg/l
	Nitrate as NO3		05-Oct-2021		17.2	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		16.2	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		3.9	mg/l
	Dichloromethane	TM208	05-Oct-2021		<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021		<0.00004	mg/l
BH3/4	Base of well/borehole/sump	Field	18-Oct-2021		10.3	m
	Electrical conductivity (field)		18-Oct-2021		396	µS/cm
			09-Nov-2021		315	µS/cm
			03-Dec-2021		335	µS/cm
	Groundwater level/dip		18-Oct-2021		1.75	m

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/4	Groundwater level/dip	Field	09-Nov-2021		1.42	m
			03-Dec-2021		1.24	m
	Water temperature		18-Oct-2021		11.2	°C
			09-Nov-2021		13.1	°C
			03-Dec-2021		11.1	°C
	Total Alkalinity as CaCO3	TM043	05-Oct-2021		144	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
			09-Nov-2021	<5.5 mg/l	<0.2	mg/l
			03-Dec-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		393	µS/cm
			09-Nov-2021		329	µS/cm
			03-Dec-2021		261	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		62.9	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.00463	mg/l
	Iron (filtered)		05-Oct-2021		0.154	mg/l
	Lead (filtered)		05-Oct-2021		0.00039	mg/l
	Magnesium (filtered)		05-Oct-2021		7.74	mg/l
	Manganese (filtered)		05-Oct-2021		0.933	mg/l
	Nickel (filtered)		05-Oct-2021	<0.02 mg/l	0.00171	mg/l
	Potassium (filtered)		05-Oct-2021		1.18	mg/l
	Sodium (filtered)		05-Oct-2021		8.85	mg/l
	Zinc (filtered)		05-Oct-2021		0.00856	mg/l
	4-Methylphenol	TM176	05-Oct-2021	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		05-Oct-2021	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	49.5	mg/l
			09-Nov-2021	<150 mg/l	12.3	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/4	Chloride	TM184	03-Dec-2021	<150 mg/l	10.1	mg/l
	Nitrate as NO3		05-Oct-2021		<0.3	mg/l
	Nitrite as NO2		05-Oct-2021		0.149	mg/l
	Sulphate		05-Oct-2021		13.8	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		<0.1	mg/l
	Dichloromethane	TM208	05-Oct-2021	<0.002 mg/l	<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021	<0.000055 mg/l	<0.00004	mg/l
BH3/5	Base of well/borehole/sump	Field	18-Oct-2021		6.67	m
	Electrical conductivity (field)		18-Oct-2021		235	µS/cm
	Groundwater level/dip		18-Oct-2021		3.3	m
			09-Nov-2021		2.65	m
			03-Dec-2021		2.22	m
	Water temperature		18-Oct-2021		14.4	°C
	Total Alkalinity as CaCO3	TM043	05-Oct-2021		125	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		240	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021		<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		47.1	mg/l
	Chromium (filtered)		05-Oct-2021		0.0011	mg/l
	Copper (filtered)		05-Oct-2021		0.00171	mg/l
	Iron (filtered)		05-Oct-2021		0.0833	mg/l
	Lead (filtered)		05-Oct-2021		<0.0002	mg/l
	Magnesium (filtered)		05-Oct-2021		4.05	mg/l
	Manganese (filtered)		05-Oct-2021		0.0592	mg/l
	Nickel (filtered)		05-Oct-2021		0.000984	mg/l
	Potassium (filtered)		05-Oct-2021		0.848	mg/l
	Sodium (filtered)		05-Oct-2021		6.11	mg/l
	Zinc (filtered)		05-Oct-2021		0.00234	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/5	4-Methylphenol	TM176	05-Oct-2021		<0.001	mg/l
	Diethyl phthalate		05-Oct-2021		<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	10.3	mg/l
	Nitrate as NO3		05-Oct-2021		2.52	mg/l
	Nitrite as NO2		05-Oct-2021		0.08	mg/l
	Sulphate		05-Oct-2021		5.6	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		0.595	mg/l
	Dichloromethane	TM208	05-Oct-2021		<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021		<0.00004	mg/l
BH3/6	Base of well/borehole/sump	Field	18-Oct-2021		10.08	m
	Electrical conductivity (field)		18-Oct-2021		135	µS/cm
	Groundwater level/dip		18-Oct-2021		5	m
			09-Nov-2021		5	m
			03-Dec-2021		4.64	m
	Water temperature		18-Oct-2021		17	°C
	Total Alkalinity as CaCO3	TM043	05-Oct-2021		60	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		135	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021		<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		21.1	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.000826	mg/l
	Iron (filtered)		05-Oct-2021		0.125	mg/l
	Lead (filtered)		05-Oct-2021		0.000699	mg/l
	Magnesium (filtered)		05-Oct-2021		3.11	mg/l
	Manganese (filtered)		05-Oct-2021		0.0651	mg/l
	Nickel (filtered)		05-Oct-2021		0.000466	mg/l
	Potassium (filtered)		05-Oct-2021		0.379	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/6	Sodium (filtered)	TM152	05-Oct-2021		3.97	mg/l
	Zinc (filtered)		05-Oct-2021		0.00143	mg/l
	4-Methylphenol	TM176	05-Oct-2021		<0.001	mg/l
	Diethyl phthalate		05-Oct-2021		<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	9.4	mg/l
	Nitrate as NO3		05-Oct-2021		3.52	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		3.5	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		0.798	mg/l
	Dichloromethane	TM208	05-Oct-2021		<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021		<0.00004	mg/l
BH3/8	Base of well/borehole/sump	Field	18-Oct-2021		10.53	m
	Electrical conductivity (field)		18-Oct-2021		212	µS/cm
	Groundwater level/dip		18-Oct-2021		0.72	m
			09-Nov-2021		0.87	m
			03-Dec-2021		0.95	m
	Water temperature		18-Oct-2021		11.4	°C
	Total Alkalinity as CaCO3	TM043	05-Oct-2021		85	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		207	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021		<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		34.1	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.00169	mg/l
	Iron (filtered)		05-Oct-2021		0.192	mg/l
	Lead (filtered)		05-Oct-2021		<0.0002	mg/l
	Magnesium (filtered)		05-Oct-2021		2.52	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/8	Manganese (filtered)	TM152	05-Oct-2021		0.0302	mg/l
	Nickel (filtered)		05-Oct-2021		0.000735	mg/l
	Potassium (filtered)		05-Oct-2021		0.485	mg/l
	Sodium (filtered)		05-Oct-2021		7.87	mg/l
	Zinc (filtered)		05-Oct-2021		0.00158	mg/l
	4-Methylphenol	TM176	05-Oct-2021		<0.001	mg/l
	Diethyl phthalate		05-Oct-2021		<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	17.5	mg/l
	Nitrate as NO3		05-Oct-2021		3.73	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		7.7	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		0.847	mg/l
	Dichloromethane	TM208	05-Oct-2021		<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021		<0.00004	mg/l
BH3/9	Base of well/borehole/sump	Field	18-Oct-2021		10.49	m
	Electrical conductivity (field)		18-Oct-2021		620	µS/cm
	Groundwater level/dip		18-Oct-2021		3.21	m
			09-Nov-2021		2.89	m
			03-Dec-2021		3.1	m
	Water temperature		18-Oct-2021		10	°C
	Total Alkalinity as CaCO3	TM043	05-Oct-2021		75	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		515	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021		<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		73.8	mg/l
	Chromium (filtered)		05-Oct-2021		0.00147	mg/l
	Copper (filtered)		05-Oct-2021		0.00148	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/9	Iron (filtered)	TM152	05-Oct-2021		0.204	mg/l
	Lead (filtered)		05-Oct-2021		0.000201	mg/l
	Magnesium (filtered)		05-Oct-2021		8.64	mg/l
	Manganese (filtered)		05-Oct-2021		0.127	mg/l
	Nickel (filtered)		05-Oct-2021		0.00215	mg/l
	Potassium (filtered)		05-Oct-2021		4.77	mg/l
	Sodium (filtered)		05-Oct-2021		24.5	mg/l
	Zinc (filtered)		05-Oct-2021		0.0078	mg/l
	4-Methylphenol	TM176	05-Oct-2021		<0.001	mg/l
	Diethyl phthalate		05-Oct-2021		<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	37.5	mg/l
	Nitrate as NO3		05-Oct-2021		12.1	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		157	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		2.75	mg/l
	Dichloromethane	TM208	05-Oct-2021		<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021		<0.00004	mg/l
BH5/02	Base of well/borehole/sump	Field	18-Oct-2021		16.42	m
	Electrical conductivity (field)		18-Oct-2021		417	µS/cm
			09-Nov-2021		427	µS/cm
	Groundwater level/dip		03-Dec-2021		433	µS/cm
			18-Oct-2021		2.18	m
			09-Nov-2021		2.1	m
			03-Dec-2021		2.02	m
		Water temperature		18-Oct-2021		10.5
			09-Nov-2021		14.6	°C
			03-Dec-2021		13.9	°C
	Total Alkalinity as CaCO3		TM043	05-Oct-2021		220

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH5/02	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
			09-Nov-2021	<5.5 mg/l	<0.2	mg/l
			03-Dec-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		452	µS/cm
			09-Nov-2021		457	µS/cm
			03-Dec-2021		483	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		76.6	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.00159	mg/l
	Iron (filtered)		05-Oct-2021		0.243	mg/l
	Lead (filtered)		05-Oct-2021		0.000378	mg/l
	Magnesium (filtered)		05-Oct-2021		8.61	mg/l
	Manganese (filtered)		05-Oct-2021		0.0186	mg/l
	Nickel (filtered)		05-Oct-2021	<0.02 mg/l	0.000462	mg/l
	Potassium (filtered)		05-Oct-2021		1.38	mg/l
	Sodium (filtered)		05-Oct-2021		9.96	mg/l
	Zinc (filtered)		05-Oct-2021		0.0051	mg/l
	4-Methylphenol		05-Oct-2021	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		05-Oct-2021	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	22.2	mg/l
			09-Nov-2021	<150 mg/l	22.4	mg/l
			03-Dec-2021	<150 mg/l	30.8	mg/l
	Nitrate as NO3		05-Oct-2021		10.3	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		12.6	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		2.35	mg/l
	Dichloromethane	TM208	05-Oct-2021	<0.002 mg/l	<0.003	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH5/02	Mecoprop	TM411	05-Oct-2021	<0.000055 mg/l	<0.00008	mg/l
NACW203	Base of well/borehole/sump	Field	18-Oct-2021		15.98	m
	Electrical conductivity (field)		18-Oct-2021		427	µS/cm
			09-Nov-2021		254	µS/cm
			03-Dec-2021		545	µS/cm
	Groundwater level/dip		18-Oct-2021		0.81	m
			09-Nov-2021		0.14	m
			03-Dec-2021		0.24	m
	Water temperature		18-Oct-2021		10.6	°C
			09-Nov-2021		12.9	°C
			03-Dec-2021		12.6	°C
	Total Alkalinity as CaCO3	TM043	05-Oct-2021		184	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
			09-Nov-2021	<5.5 mg/l	<0.2	mg/l
			03-Dec-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		450	µS/cm
			09-Nov-2021		261	µS/cm
			03-Dec-2021		621	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		75.4	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		<0.0003	mg/l
	Iron (filtered)		05-Oct-2021		0.0265	mg/l
	Lead (filtered)		05-Oct-2021		<0.0002	mg/l
	Magnesium (filtered)		05-Oct-2021		9.71	mg/l
	Manganese (filtered)		05-Oct-2021		0.00824	mg/l
	Nickel (filtered)		05-Oct-2021	<0.02 mg/l	<0.0004	mg/l
	Potassium (filtered)		05-Oct-2021		1.23	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW203	Sodium (filtered)	TM152	05-Oct-2021		14	mg/l
	Zinc (filtered)		05-Oct-2021		<0.001	mg/l
	4-Methylphenol	TM176	05-Oct-2021	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		05-Oct-2021	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	37.9	mg/l
			09-Nov-2021	<150 mg/l	38.5	mg/l
			03-Dec-2021	<150 mg/l	41.5	mg/l
	Nitrate as NO3		05-Oct-2021		7.31	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		23.1	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		1.65	mg/l
	Dichloromethane	TM208	05-Oct-2021	<0.002 mg/l	<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021	<0.000055 mg/l	<0.00004	mg/l
NACW205	Base of well/borehole/sump	Field	18-Oct-2021		19.63	m
	Electrical conductivity (field)		18-Oct-2021		482	µS/cm
			09-Nov-2021		459	µS/cm
			03-Dec-2021		480	µS/cm
	Groundwater level/dip		18-Oct-2021		0.82	m
			09-Nov-2021		0.84	m
			03-Dec-2021		0.72	m
	Water temperature		18-Oct-2021		11.1	°C
			09-Nov-2021		13.8	°C
			03-Dec-2021		13.6	°C
	Total Alkalinity as CaCO3	TM043	05-Oct-2021		237	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
			09-Nov-2021	<5.5 mg/l	<0.2	mg/l
			03-Dec-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		503	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)	TM120	09-Nov-2021		491	µS/cm
			03-Dec-2021		541	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		89.4	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.000936	mg/l
	Iron (filtered)		05-Oct-2021		0.0405	mg/l
	Lead (filtered)		05-Oct-2021		0.000322	mg/l
	Magnesium (filtered)		05-Oct-2021		8.31	mg/l
	Manganese (filtered)		05-Oct-2021		0.0235	mg/l
	Nickel (filtered)		05-Oct-2021	<0.02 mg/l	<0.0004	mg/l
	Potassium (filtered)		05-Oct-2021		1.16	mg/l
	Sodium (filtered)		05-Oct-2021		9.64	mg/l
	Zinc (filtered)		05-Oct-2021		0.00396	mg/l
	4-Methylphenol	TM176	05-Oct-2021	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		05-Oct-2021	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	33	mg/l
			09-Nov-2021	<150 mg/l	33.2	mg/l
			03-Dec-2021	<150 mg/l	37.9	mg/l
	Nitrate as NO3		05-Oct-2021		10.1	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		11.8	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		2.29	mg/l
	Dichloromethane	TM208	05-Oct-2021	<0.002 mg/l	<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021	<0.000055 mg/l	<0.00004	mg/l
NACW212	Base of well/borehole/sump	Field	18-Oct-2021		9.05	m
	Electrical conductivity (field)		18-Oct-2021		365	µS/cm
			09-Nov-2021		286	µS/cm

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW212	Electrical conductivity (field)	Field	03-Dec-2021		308	µS/cm
	Groundwater level/dip		18-Oct-2021		0.96	m
			09-Nov-2021		1.32	m
			03-Dec-2021		1.1	m
	Water temperature	TM043	18-Oct-2021		10.1	°C
			09-Nov-2021		12.8	°C
			03-Dec-2021		10.8	°C
	Total Alkalinity as CaCO3		05-Oct-2021		171	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
			09-Nov-2021	<5.5 mg/l	<0.2	mg/l
			03-Dec-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		375	µS/cm
			09-Nov-2021		299	µS/cm
			03-Dec-2021		330	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		62.3	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.00406	mg/l
	Iron (filtered)		05-Oct-2021		0.12	mg/l
	Lead (filtered)		05-Oct-2021		0.000625	mg/l
	Magnesium (filtered)		05-Oct-2021		6.4	mg/l
	Manganese (filtered)		05-Oct-2021		0.0241	mg/l
	Nickel (filtered)		05-Oct-2021	<0.037 mg/l	0.000562	mg/l
	Potassium (filtered)		05-Oct-2021		3.06	mg/l
	Sodium (filtered)		05-Oct-2021		9.16	mg/l
	Zinc (filtered)		05-Oct-2021		0.0144	mg/l
	4-Methylphenol	TM176	05-Oct-2021	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		05-Oct-2021	<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⁾
NACW212	Chloride	TM184	05-Oct-2021	<150 mg/l	19.5	mg/l
			09-Nov-2021	<150 mg/l	17.4	mg/l
			03-Dec-2021	<150 mg/l	17	mg/l
	Nitrate as NO3		05-Oct-2021		6.98	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		19.5	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		1.59	mg/l
	Dichloromethane	TM208	05-Oct-2021	<0.002 mg/l	<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021	<0.000055 mg/l	<0.00004	mg/l
NACW213	Base of well/borehole/sump	Field	18-Oct-2021		12.05	m
	Groundwater level/dip		18-Oct-2021		1.91	m
			09-Nov-2021		2.29	m
			03-Dec-2021		2.29	m
NACW219	Base of well/borehole/sump		18-Oct-2021		15.34	m
	Electrical conductivity (field)		18-Oct-2021		329	µS/cm
	Groundwater level/dip		18-Oct-2021		5.52	m
			09-Nov-2021		4.03	m
			03-Dec-2021		4.1	m
	Water temperature		18-Oct-2021		12.2	°C
	Total Alkalinity as CaCO3	TM043	05-Oct-2021		175	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		360	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021		<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		75	mg/l
	Chromium (filtered)		05-Oct-2021		0.00128	mg/l
	Copper (filtered)		05-Oct-2021		0.0039	mg/l
	Iron (filtered)		05-Oct-2021		18.1	mg/l
	Lead (filtered)		05-Oct-2021		0.0014	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW219	Magnesium (filtered)	TM152	05-Oct-2021		6.4	mg/l
	Manganese (filtered)		05-Oct-2021		0.355	mg/l
	Nickel (filtered)		05-Oct-2021		0.00246	mg/l
	Potassium (filtered)		05-Oct-2021		0.901	mg/l
	Sodium (filtered)		05-Oct-2021		11.2	mg/l
	Zinc (filtered)		05-Oct-2021		0.00268	mg/l
	4-Methylphenol	TM176	05-Oct-2021		<0.001	mg/l
	Diethyl phthalate		05-Oct-2021		<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	19.5	mg/l
	Nitrate as NO3		05-Oct-2021		0.758	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		17.2	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		0.173	mg/l
	Dichloromethane	TM208	05-Oct-2021		<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021		<0.00004	mg/l
NACW227	Base of well/borehole/sump	Field	18-Oct-2021		4.98	m
	Groundwater level/dip		18-Oct-2021		DRY	m
			09-Nov-2021		DRY	m
			03-Dec-2021		DRY	m
NACW228	Base of well/borehole/sump		18-Oct-2021		7.66	m
	Electrical conductivity (field)		18-Oct-2021		444	µS/cm
			09-Nov-2021		412	µS/cm
			03-Dec-2021		267	µS/cm
	Groundwater level/dip		18-Oct-2021		5.64	m
			09-Nov-2021		4.59	m
			03-Dec-2021		4.52	m
	Water temperature		18-Oct-2021		13.5	°C
			09-Nov-2021		13.7	°C

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW228	Water temperature	Field	03-Dec-2021		12.6	°C
	Total Alkalinity as CaCO3	TM043	05-Oct-2021		83.1	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
			09-Nov-2021	<5.5 mg/l	<0.2	mg/l
			03-Dec-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		451	µS/cm
			09-Nov-2021		249	µS/cm
			03-Dec-2021		287	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		60.5	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.00233	mg/l
	Iron (filtered)		05-Oct-2021		0.297	mg/l
	Lead (filtered)		05-Oct-2021		0.0026	mg/l
	Magnesium (filtered)		05-Oct-2021		13.8	mg/l
	Manganese (filtered)		05-Oct-2021		0.394	mg/l
	Nickel (filtered)		05-Oct-2021	<0.02 mg/l	0.00613	mg/l
	Potassium (filtered)		05-Oct-2021		1.14	mg/l
	Sodium (filtered)		05-Oct-2021		17.5	mg/l
	Zinc (filtered)		05-Oct-2021		0.0102	mg/l
	4-Methylphenol	TM176	05-Oct-2021	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		05-Oct-2021	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	35.6	mg/l
			09-Nov-2021	<150 mg/l	10.4	mg/l
			03-Dec-2021	<150 mg/l	14.5	mg/l
	Nitrate as NO3		05-Oct-2021		2.19	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		127	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW228	Total Oxidised Nitrogen as N	TM184	05-Oct-2021		0.507	mg/l
	Dichloromethane	TM208	05-Oct-2021	<0.002 mg/l	<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021	<0.000055 mg/l	<0.00004	mg/l
NACW229	Base of well/borehole/sump	Field	18-Oct-2021		7.8	m
	Electrical conductivity (field)		18-Oct-2021		432	µS/cm
	Groundwater level/dip		18-Oct-2021		1.04	m
			09-Nov-2021		1.3	m
			03-Dec-2021		1.05	m
	Water temperature		18-Oct-2021		13.7	°C
	Total Alkalinity as CaCO3	TM043	05-Oct-2021		211	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		442	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021		<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		78.8	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.00102	mg/l
	Iron (filtered)		05-Oct-2021		0.142	mg/l
	Lead (filtered)		05-Oct-2021		0.000569	mg/l
	Magnesium (filtered)		05-Oct-2021		9.23	mg/l
	Manganese (filtered)		05-Oct-2021		0.097	mg/l
	Nickel (filtered)		05-Oct-2021		0.000538	mg/l
	Potassium (filtered)		05-Oct-2021		1.26	mg/l
	Sodium (filtered)		05-Oct-2021		11.7	mg/l
	Zinc (filtered)		05-Oct-2021		0.00429	mg/l
	4-Methylphenol	TM176	05-Oct-2021		<0.002	mg/l
	Diethyl phthalate		05-Oct-2021		<0.002	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	26.2	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW229	Nitrate as NO3	TM184	05-Oct-2021		10.2	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		16.3	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		2.32	mg/l
	Dichloromethane	TM208	05-Oct-2021		<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021		<0.00004	mg/l
NACW230	Base of well/borehole/sump	Field	18-Oct-2021		19.12	m
	Groundwater level/dip		18-Oct-2021		2.93	m
			09-Nov-2021		1.7	m
			03-Dec-2021		1.54	m
UD1	Total Alkalinity as CaCO3	TM043	05-Oct-2021		245	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
			09-Nov-2021	<5.5 mg/l	<0.2	mg/l
			03-Dec-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		585	µS/cm
			09-Nov-2021		574	µS/cm
			03-Dec-2021		584	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		95.2	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.000478	mg/l
	Iron (filtered)		05-Oct-2021		0.0491	mg/l
	Lead (filtered)		05-Oct-2021		<0.0002	mg/l
	Magnesium (filtered)		05-Oct-2021		10.4	mg/l
	Manganese (filtered)		05-Oct-2021		0.05	mg/l
	Nickel (filtered)		05-Oct-2021	<0.02 mg/l	0.000752	mg/l
	Potassium (filtered)		05-Oct-2021		1.62	mg/l
	Sodium (filtered)		05-Oct-2021		11.6	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
UD1	Zinc (filtered)	TM152	05-Oct-2021		0.00374	mg/l
	4-Methylphenol	TM176	05-Oct-2021	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		05-Oct-2021	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	47.4	mg/l
			09-Nov-2021	<150 mg/l	48.3	mg/l
			03-Dec-2021	<150 mg/l	46	mg/l
	Nitrate as NO3		05-Oct-2021		10.1	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		14.1	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		2.29	mg/l
	Dichloromethane	TM208	05-Oct-2021	<0.002 mg/l	<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021	<0.000055 mg/l	<0.00004	mg/l
UD3	Total Alkalinity as CaCO3	TM043	05-Oct-2021		203	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
			09-Nov-2021	<5.5 mg/l	<0.2	mg/l
			03-Dec-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		448	µS/cm
			09-Nov-2021		380	µS/cm
			03-Dec-2021		425	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		70.9	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.000853	mg/l
	Iron (filtered)		05-Oct-2021		<0.019	mg/l
	Lead (filtered)		05-Oct-2021		<0.0002	mg/l
	Magnesium (filtered)		05-Oct-2021		7.41	mg/l
	Manganese (filtered)		05-Oct-2021		0.017	mg/l
	Nickel (filtered)		05-Oct-2021	<0.02 mg/l	<0.0004	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
UD3	Potassium (filtered)	TM152	05-Oct-2021		5.09	mg/l
	Sodium (filtered)		05-Oct-2021		11.5	mg/l
	Zinc (filtered)		05-Oct-2021		0.0039	mg/l
	4-Methylphenol	TM176	05-Oct-2021	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		05-Oct-2021	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	19.7	mg/l
			09-Nov-2021	<150 mg/l	16.5	mg/l
			03-Dec-2021	<150 mg/l	18.9	mg/l
	Nitrate as NO3		05-Oct-2021		6.22	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		19.3	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		1.41	mg/l
	Dichloromethane	TM208	05-Oct-2021	<0.002 mg/l	<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021	<0.000055 mg/l	<0.00008	mg/l
UD4	Total Alkalinity as CaCO3	TM043	05-Oct-2021		211	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
			09-Nov-2021	<5.5 mg/l	0.383	mg/l
			03-Dec-2021	<5.5 mg/l	0.871	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		436	µS/cm
			09-Nov-2021		426	µS/cm
			03-Dec-2021		638	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		72.9	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.00139	mg/l
	Iron (filtered)		05-Oct-2021		0.0411	mg/l
	Lead (filtered)		05-Oct-2021		0.000228	mg/l
	Magnesium (filtered)		05-Oct-2021		7.92	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
UD4	Manganese (filtered)	TM152	05-Oct-2021		0.0203	mg/l
	Nickel (filtered)		05-Oct-2021	<0.02 mg/l	<0.0004	mg/l
	Potassium (filtered)		05-Oct-2021		3.47	mg/l
	Sodium (filtered)		05-Oct-2021		10.8	mg/l
	Zinc (filtered)		05-Oct-2021		0.00662	mg/l
	4-Methylphenol	TM176	05-Oct-2021	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		05-Oct-2021	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	20.6	mg/l
			09-Nov-2021	<150 mg/l	17.7	mg/l
			03-Dec-2021	<150 mg/l	35.8	mg/l
	Nitrate as NO3		05-Oct-2021		8.3	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		16.5	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		1.88	mg/l
	Dichloromethane	TM208	05-Oct-2021	<0.002 mg/l	<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021	<0.000055 mg/l	<0.00004	mg/l
UD5	Total Alkalinity as CaCO3	TM043	05-Oct-2021		163	mg/l
	Ammoniacal Nitrogen as N	TM099	05-Oct-2021	<5.5 mg/l	<0.2	mg/l
			09-Nov-2021	<5.5 mg/l	<0.2	mg/l
			03-Dec-2021	<5.5 mg/l	<0.2	mg/l
	Electrical conductivity @20°C (lab)	TM120	05-Oct-2021		463	µS/cm
			09-Nov-2021		425	µS/cm
			03-Dec-2021		535	µS/cm
	Cadmium (filtered)	TM152	05-Oct-2021	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		05-Oct-2021		73.8	mg/l
	Chromium (filtered)		05-Oct-2021		<0.001	mg/l
	Copper (filtered)		05-Oct-2021		0.00445	mg/l
	Iron (filtered)		05-Oct-2021		0.178	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
UD5	Lead (filtered)	TM152	05-Oct-2021		0.000311	mg/l
	Magnesium (filtered)		05-Oct-2021		5.06	mg/l
	Manganese (filtered)		05-Oct-2021		0.0548	mg/l
	Nickel (filtered)		05-Oct-2021	<0.02 mg/l	0.00149	mg/l
	Potassium (filtered)		05-Oct-2021		19.9	mg/l
	Sodium (filtered)		05-Oct-2021		9.79	mg/l
	Zinc (filtered)		05-Oct-2021		0.00569	mg/l
	4-Methylphenol	TM176	05-Oct-2021	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		05-Oct-2021	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	05-Oct-2021	<150 mg/l	26.7	mg/l
			09-Nov-2021	<150 mg/l	25.4	mg/l
			03-Dec-2021	<150 mg/l	53.8	mg/l
	Nitrate as NO3		05-Oct-2021		4.45	mg/l
	Nitrite as NO2		05-Oct-2021		<0.05	mg/l
	Sulphate		05-Oct-2021		67.3	mg/l
	Total Oxidised Nitrogen as N		05-Oct-2021		1.01	mg/l
	Dichloromethane	TM208	05-Oct-2021	<0.002 mg/l	<0.003	mg/l
	Mecoprop	TM411	05-Oct-2021	<0.000055 mg/l	<0.00004	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾
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(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.

Signature:.....

Date: 14 December 2021

(Authorised to sign as representative of
Operator)