

Operator: CWM Environmental Ltd
Permit: CP3735PB

Installation: Nantycaws Landfill Site
Form: Groundwaters Q3 2023

Reporting of groundwater monitoring for the period 01-Jul-2023 to 30-Sep-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	12-Jul-2023		9.38	m
	Electrical conductivity (field)		12-Jul-2023		244	µS/cm
			09-Aug-2023		222	µS/cm
			12-Sep-2023		216	µS/cm
	Groundwater level/dip		12-Jul-2023		0.3	m
			09-Aug-2023		0.3	m
			12-Sep-2023		0.23	m
	Water temperature		12-Jul-2023		15.7	°C
			09-Aug-2023		14.6	°C
			12-Sep-2023		16.4	°C
	Ammoniacal Nitrogen as N	TM099	11-Jul-2023	<5.5 mg/l	<0.2	mg/l
			09-Aug-2023	<5.5 mg/l	<0.2	mg/l
			12-Sep-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jul-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jul-2023		95.4	mg/l
	Chromium (filtered)		11-Jul-2023		<0.001	mg/l
	Copper (filtered)		11-Jul-2023		0.00921	mg/l
	Iron (filtered)		11-Jul-2023		<0.019	mg/l
	Lead (filtered)		11-Jul-2023		0.00102	mg/l
	Magnesium (filtered)		11-Jul-2023		8.11	mg/l
	Manganese (filtered)		11-Jul-2023		0.00604	mg/l
	Nickel (filtered)		11-Jul-2023	<0.02 mg/l	0.00109	mg/l
	Potassium (filtered)		11-Jul-2023		1.11	mg/l
	Sodium (filtered)		11-Jul-2023		9.46	mg/l
	Zinc (filtered)		11-Jul-2023		0.0146	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH208	4-Methylphenol	TM176	11-Jul-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		11-Jul-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	11-Jul-2023	<150 mg/l	34.9	mg/l
			09-Aug-2023	<150 mg/l	17.2	mg/l
			12-Sep-2023	<150 mg/l	17.9	mg/l
	Nitrate as NO3		11-Jul-2023		9.69	mg/l
	Nitrite as NO2		11-Jul-2023		<0.05	mg/l
	Sulphate		11-Jul-2023		10.4	mg/l
	Total Oxidised Nitrogen as N		11-Jul-2023		2.19	mg/l
	Dichloromethane	TM208	11-Jul-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jul-2023		542	µS/cm
			09-Aug-2023		479	µS/cm
			12-Sep-2023		470	µS/cm
	Total Alkalinity as CaCO3		11-Jul-2023		236	mg/l
	Mecoprop	TM411	11-Jul-2023	<0.000055 mg/l	<0.00004	mg/l
	Base of well/borehole/sump	Field	12-Jul-2023		9.71	m
			12-Jul-2023		96	µS/cm
			12-Jul-2023		5.09	m
			09-Aug-2023		2.98	m
			12-Sep-2023		3.27	m
BH3/2	Water temperature		12-Jul-2023		15.1	°C
	Ammoniacal Nitrogen as N	TM099	11-Jul-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jul-2023		<0.00008	mg/l
	Calcium (filtered)		11-Jul-2023		29.5	mg/l
	Chromium (filtered)		11-Jul-2023		<0.001	mg/l
	Copper (filtered)		11-Jul-2023		0.00198	mg/l
	Iron (filtered)		11-Jul-2023		<0.019	mg/l
	Lead (filtered)		11-Jul-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jul-2023		4.58	mg/l
	Manganese (filtered)		11-Jul-2023		0.0387	mg/l
	Nickel (filtered)		11-Jul-2023		0.000738	mg/l
	Potassium (filtered)		11-Jul-2023		0.492	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/2	Sodium (filtered)	TM152	11-Jul-2023		6.39	mg/l
	Zinc (filtered)		11-Jul-2023		0.0086	mg/l
	4-Methylphenol	TM176	11-Jul-2023		<0.002	mg/l
	Diethyl phthalate		11-Jul-2023		<0.002	mg/l
	Chloride	TM184	11-Jul-2023	<150 mg/l	14	mg/l
	Nitrate as NO3		11-Jul-2023		3.6	mg/l
	Nitrite as NO2		11-Jul-2023		<0.05	mg/l
	Sulphate		11-Jul-2023		21.7	mg/l
	Total Oxidised Nitrogen as N		11-Jul-2023		0.812	mg/l
	Dichloromethane	TM208	11-Jul-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jul-2023		203	µS/cm
	Total Alkalinity as CaCO3		11-Jul-2023		58.7	mg/l
	Mecoprop	TM411	11-Jul-2023		<0.0002	mg/l
BH3/3	Base of well/borehole/sump	Field	12-Jul-2023		11.67	m
	Electrical conductivity (field)		12-Jul-2023		168	µS/cm
	Groundwater level/dip		12-Jul-2023		ART	m
			09-Aug-2023		ART	m
			12-Sep-2023		ART	m
	Water temperature		12-Jul-2023		16.4	°C
	Ammoniacal Nitrogen as N	TM099	11-Jul-2023	<5.5 mg/l	0.44	mg/l
	Cadmium (filtered)	TM152	11-Jul-2023		<0.00008	mg/l
	Calcium (filtered)		11-Jul-2023		56.4	mg/l
	Chromium (filtered)		11-Jul-2023		<0.001	mg/l
	Copper (filtered)		11-Jul-2023		0.00717	mg/l
	Iron (filtered)		11-Jul-2023		0.0587	mg/l
	Lead (filtered)		11-Jul-2023		0.000205	mg/l
	Magnesium (filtered)		11-Jul-2023		7.21	mg/l
	Manganese (filtered)		11-Jul-2023		0.0219	mg/l
	Nickel (filtered)		11-Jul-2023		0.000747	mg/l
	Potassium (filtered)		11-Jul-2023		16.4	mg/l
	Sodium (filtered)		11-Jul-2023		11.9	mg/l
	Zinc (filtered)		11-Jul-2023		0.00899	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/3	4-Methylphenol	TM176	11-Jul-2023		<0.002	mg/l
	Diethyl phthalate		11-Jul-2023		<0.002	mg/l
	Chloride	TM184	11-Jul-2023	<150 mg/l	31.3	mg/l
	Nitrate as NO3		11-Jul-2023		2.58	mg/l
	Nitrite as NO2		11-Jul-2023		<0.05	mg/l
	Sulphate		11-Jul-2023		<2	mg/l
	Total Oxidised Nitrogen as N		11-Jul-2023		0.583	mg/l
	Dichloromethane	TM208	11-Jul-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jul-2023		389	µS/cm
	Total Alkalinity as CaCO3		11-Jul-2023		158	mg/l
	Mecoprop	TM411	11-Jul-2023		<0.0002	mg/l
BH3/4	Base of well/borehole/sump	Field	12-Jul-2023		10.26	m
	Electrical conductivity (field)		12-Jul-2023		130	µS/cm
			09-Aug-2023		302	µS/cm
			12-Sep-2023		128	µS/cm
	Groundwater level/dip		12-Jul-2023		2.46	m
			09-Aug-2023		0.95	m
			12-Sep-2023		1.55	m
	Water temperature		12-Jul-2023		15.3	°C
			09-Aug-2023		16.1	°C
			12-Sep-2023		16.7	°C
	Ammoniacal Nitrogen as N	TM099	11-Jul-2023	<5.5 mg/l	0.278	mg/l
			09-Aug-2023	<5.5 mg/l	0.226	mg/l
			12-Sep-2023	<5.5 mg/l	0.575	mg/l
	Cadmium (filtered)	TM152	11-Jul-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jul-2023		45.1	mg/l
	Chromium (filtered)		11-Jul-2023		<0.001	mg/l
	Copper (filtered)		11-Jul-2023		0.00568	mg/l
	Iron (filtered)		11-Jul-2023		0.0241	mg/l
	Lead (filtered)		11-Jul-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jul-2023		3.88	mg/l
	Manganese (filtered)		11-Jul-2023		0.0177	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾	
BH3/4	Nickel (filtered)	TM152	11-Jul-2023	<0.02 mg/l	0.000838	mg/l	
	Potassium (filtered)		11-Jul-2023		6.48	mg/l	
	Sodium (filtered)		11-Jul-2023		9.97	mg/l	
	Zinc (filtered)		11-Jul-2023		0.00524	mg/l	
	4-Methylphenol	TM176	11-Jul-2023	<0.001 mg/l	<0.004	mg/l	
	Diethyl phthalate		11-Jul-2023		<0.003 mg/l	<0.004	mg/l
	Chloride	TM184	11-Jul-2023	<150 mg/l	19.9	mg/l	
			09-Aug-2023		<150 mg/l	38.4	mg/l
			12-Sep-2023		<150 mg/l	59.2	mg/l
	Nitrate as NO3		11-Jul-2023		3.03	mg/l	
	Nitrite as NO2		11-Jul-2023		<0.05	mg/l	
	Sulphate		11-Jul-2023		4.1	mg/l	
	Total Oxidised Nitrogen as N		11-Jul-2023		0.684	mg/l	
	Dichloromethane	TM208	11-Jul-2023	<0.002 mg/l	<0.003	mg/l	
	Electrical conductivity @20°C (lab)	TM256	11-Jul-2023		285	µS/cm	
			09-Aug-2023		662	µS/cm	
			12-Sep-2023		1020	µS/cm	
	Total Alkalinity as CaCO3		11-Jul-2023		116	mg/l	
	Mecoprop	TM411	11-Jul-2023	<0.000055 mg/l	<0.0002	mg/l	
BH3/5	Base of well/borehole/sump	Field	12-Jul-2023	6.79	m		
	Electrical conductivity (field)		12-Jul-2023	227	µS/cm		
	Groundwater level/dip		12-Jul-2023	5.78	m		
			09-Aug-2023	2.59	m		
			12-Sep-2023	2.06	m		
	Water temperature		12-Jul-2023		15.1	°C	
	Ammoniacal Nitrogen as N	TM099	11-Jul-2023	<5.5 mg/l	<0.2	mg/l	
	Cadmium (filtered)	TM152	11-Jul-2023		0.000103	mg/l	
	Calcium (filtered)		11-Jul-2023	62.5	mg/l		
	Chromium (filtered)		11-Jul-2023	<0.001	mg/l		
	Copper (filtered)		11-Jul-2023		0.00551	mg/l	
	Iron (filtered)		11-Jul-2023		0.0809	mg/l	
	Lead (filtered)		11-Jul-2023		0.000283	mg/l	

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BH3/5	Magnesium (filtered)	TM152	11-Jul-2023		6.14	mg/l
	Manganese (filtered)		11-Jul-2023		0.268	mg/l
	Nickel (filtered)		11-Jul-2023		0.00344	mg/l
	Potassium (filtered)		11-Jul-2023		6.55	mg/l
	Sodium (filtered)		11-Jul-2023		27	mg/l
	Zinc (filtered)	TM176	11-Jul-2023		0.0152	mg/l
	4-Methylphenol		11-Jul-2023		<0.002	mg/l
	Diethyl phthalate		11-Jul-2023		<0.002	mg/l
	Chloride		11-Jul-2023	<150 mg/l	63.4	mg/l
	Nitrate as NO3		11-Jul-2023		2.58	mg/l
	Nitrite as NO2	TM184	11-Jul-2023		<0.05	mg/l
	Sulphate		11-Jul-2023		156	mg/l
	Total Oxidised Nitrogen as N		11-Jul-2023		0.582	mg/l
	Dichloromethane		11-Jul-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)		11-Jul-2023		597	µS/cm
	Total Alkalinity as CaCO3	TM256	11-Jul-2023		52.5	mg/l
	Mecoprop		11-Jul-2023		<0.0002	mg/l
BH3/6	Base of well/borehole/sump	Field	12-Jul-2023		10	m
	Electrical conductivity (field)		12-Jul-2023		388	µS/cm
	Groundwater level/dip		12-Jul-2023		6.1	m
			09-Aug-2023		4.33	m
			12-Sep-2023		5.2	m
	Water temperature	TM099	12-Jul-2023		14.6	°C
	Ammoniacal Nitrogen as N		11-Jul-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)		11-Jul-2023		<0.00008	mg/l
	Calcium (filtered)		11-Jul-2023		158	mg/l
	Chromium (filtered)		11-Jul-2023		<0.001	mg/l
	Copper (filtered)	TM152	11-Jul-2023		0.00301	mg/l
	Iron (filtered)		11-Jul-2023		0.126	mg/l
	Lead (filtered)		11-Jul-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jul-2023		13.2	mg/l
	Manganese (filtered)		11-Jul-2023		0.279	mg/l

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BH3/6	Nickel (filtered)	TM152	11-Jul-2023		0.00154	mg/l
	Potassium (filtered)		11-Jul-2023		9	mg/l
	Sodium (filtered)		11-Jul-2023		15.1	mg/l
	Zinc (filtered)		11-Jul-2023		0.0103	mg/l
	4-Methylphenol	TM176	11-Jul-2023		<0.004	mg/l
	Diethyl phthalate		11-Jul-2023		<0.004	mg/l
	Chloride	TM184	11-Jul-2023	<150 mg/l	22.1	mg/l
	Nitrate as NO3		11-Jul-2023		2.26	mg/l
	Nitrite as NO2		11-Jul-2023		0.056	mg/l
	Sulphate		11-Jul-2023		356	mg/l
	Total Oxidised Nitrogen as N		11-Jul-2023		0.528	mg/l
	Dichloromethane	TM208	11-Jul-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jul-2023		843	µS/cm
	Total Alkalinity as CaCO3		11-Jul-2023		96.6	mg/l
	Mecoprop	TM411	11-Jul-2023		<0.0002	mg/l
BH3/8	Base of well/borehole/sump	Field	12-Jul-2023		10.53	m
	Electrical conductivity (field)		12-Jul-2023		307	µS/cm
	Groundwater level/dip		12-Jul-2023		4.2	m
			09-Aug-2023		1.78	m
			12-Sep-2023		2.32	m
	Water temperature		12-Jul-2023		14.8	°C
	Ammoniacal Nitrogen as N	TM099	11-Jul-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jul-2023		0.00017	mg/l
	Calcium (filtered)		11-Jul-2023		89.6	mg/l
	Chromium (filtered)		11-Jul-2023		<0.001	mg/l
	Copper (filtered)		11-Jul-2023		0.0041	mg/l
	Iron (filtered)		11-Jul-2023		0.145	mg/l
	Lead (filtered)		11-Jul-2023		0.000217	mg/l
	Magnesium (filtered)		11-Jul-2023		8.55	mg/l
	Manganese (filtered)		11-Jul-2023		0.432	mg/l
	Nickel (filtered)		11-Jul-2023		0.00481	mg/l
	Potassium (filtered)		11-Jul-2023		9.89	mg/l

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BH3/8	Sodium (filtered)	TM152	11-Jul-2023		38.9	mg/l
	Zinc (filtered)		11-Jul-2023		0.013	mg/l
	4-Methylphenol	TM176	11-Jul-2023		<0.002	mg/l
	Diethyl phthalate		11-Jul-2023		<0.002	mg/l
	Chloride	TM184	11-Jul-2023	<150 mg/l	72.9	mg/l
	Nitrate as NO3		11-Jul-2023		2.65	mg/l
	Nitrite as NO2		11-Jul-2023		<0.05	mg/l
	Sulphate		11-Jul-2023		187	mg/l
	Total Oxidised Nitrogen as N		11-Jul-2023		0.598	mg/l
	Dichloromethane	TM208	11-Jul-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jul-2023		673	µS/cm
	Total Alkalinity as CaCO3		11-Jul-2023		53.9	mg/l
	Mecoprop	TM411	11-Jul-2023		<0.0002	mg/l
BH3/9	Base of well/borehole/sump	Field	12-Jul-2023		10.48	m
	Electrical conductivity (field)		12-Jul-2023		104	µS/cm
	Groundwater level/dip		12-Jul-2023		6.84	m
			09-Aug-2023		4.12	m
			12-Sep-2023		5.38	m
	Water temperature		12-Jul-2023		14	°C
	Ammoniacal Nitrogen as N	TM099	11-Jul-2023	<5.5 mg/l	0.212	mg/l
	Cadmium (filtered)	TM152	11-Jul-2023		<0.00008	mg/l
	Calcium (filtered)		11-Jul-2023		37	mg/l
	Chromium (filtered)		11-Jul-2023		<0.001	mg/l
	Copper (filtered)		11-Jul-2023		<0.0003	mg/l
	Iron (filtered)		11-Jul-2023		<0.019	mg/l
	Lead (filtered)		11-Jul-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jul-2023		1.84	mg/l
	Manganese (filtered)		11-Jul-2023		0.0073	mg/l
	Nickel (filtered)		11-Jul-2023		<0.0004	mg/l
	Potassium (filtered)		11-Jul-2023		0.52	mg/l
	Sodium (filtered)		11-Jul-2023		8.94	mg/l
	Zinc (filtered)		11-Jul-2023		0.00214	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
BH3/9	4-Methylphenol	TM176	11-Jul-2023		<0.004	mg/l
	Diethyl phthalate		11-Jul-2023		<0.004	mg/l
	Chloride	TM184	11-Jul-2023	<150 mg/l	13.1	mg/l
	Nitrate as NO3		11-Jul-2023		3.55	mg/l
	Nitrite as NO2		11-Jul-2023		<0.05	mg/l
	Sulphate		11-Jul-2023		8	mg/l
	Total Oxidised Nitrogen as N		11-Jul-2023		0.803	mg/l
	Dichloromethane	TM208	11-Jul-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jul-2023		221	µS/cm
	Total Alkalinity as CaCO3		11-Jul-2023		87	mg/l
	Mecoprop	TM411	11-Jul-2023		<0.0004	mg/l
BH5/02	Base of well/borehole/sump	Field	12-Jul-2023		7.86	m
	Electrical conductivity (field)		12-Jul-2023		221	µS/cm
			09-Aug-2023		230	µS/cm
			12-Sep-2023		221	µS/cm
	Groundwater level/dip		12-Jul-2023		2.1	m
			09-Aug-2023		1.97	m
			12-Sep-2023		1.98	m
			12-Jul-2023		15.4	°C
	Water temperature		09-Aug-2023		16.1	°C
			12-Sep-2023		20.5	°C
	Ammoniacal Nitrogen as N	TM099	11-Jul-2023	<5.5 mg/l	<0.2	mg/l
			09-Aug-2023	<5.5 mg/l	<0.2	mg/l
			12-Sep-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jul-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jul-2023		87.8	mg/l
	Chromium (filtered)		11-Jul-2023		<0.001	mg/l
	Copper (filtered)		11-Jul-2023		0.00305	mg/l
	Iron (filtered)		11-Jul-2023		<0.019	mg/l
	Lead (filtered)		11-Jul-2023		0.000242	mg/l
	Magnesium (filtered)		11-Jul-2023		10	mg/l
	Manganese (filtered)		11-Jul-2023		0.00924	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾
BH5/02	Nickel (filtered)	TM152	11-Jul-2023	<0.02 mg/l	0.000547	mg/l
	Potassium (filtered)		11-Jul-2023		1.44	mg/l
	Sodium (filtered)		11-Jul-2023		11.5	mg/l
	Zinc (filtered)		11-Jul-2023		0.00824	mg/l
	4-Methylphenol	TM176	11-Jul-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		11-Jul-2023		<0.001	mg/l
	Chloride	TM184	11-Jul-2023	<150 mg/l	25.1	mg/l
			09-Aug-2023		23.7	mg/l
			12-Sep-2023		24.5	mg/l
	Nitrate as NO3		11-Jul-2023		9.08	mg/l
	Nitrite as NO2		11-Jul-2023		0.206	mg/l
	Sulphate		11-Jul-2023		11	mg/l
	Total Oxidised Nitrogen as N		11-Jul-2023		2.11	mg/l
	Dichloromethane		11-Jul-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jul-2023		493	µS/cm
			09-Aug-2023		495	µS/cm
			12-Sep-2023		487	µS/cm
	Total Alkalinity as CaCO3		11-Jul-2023		222	mg/l
	Mecoprop	TM411	11-Jul-2023	<0.000055 mg/l	<0.00004	mg/l
	NACW203	Field	12-Jul-2023		16.1	m
			12-Jul-2023		187	µS/cm
			09-Aug-2023		385	µS/cm
			12-Sep-2023		240	µS/cm
	Groundwater level/dip		12-Jul-2023		1.08	m
			09-Aug-2023		0.3	m
			12-Sep-2023		0.3	m
			12-Jul-2023		16.5	°C
	Water temperature		09-Aug-2023		17.2	°C
			12-Sep-2023		20.5	°C
			11-Jul-2023	<5.5 mg/l	0.212	mg/l
			09-Aug-2023		2.51	mg/l
			12-Sep-2023		<0.2	mg/l
	Ammoniacal Nitrogen as N	TM099	11-Jul-2023	<5.5 mg/l	0.212	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ⁽¹⁾ ⁽⁴⁾	Unit ⁽⁵⁾	
NACW203	Cadmium (filtered)	TM152	11-Jul-2023	<0.0001 mg/l	<0.00008	mg/l	
	Calcium (filtered)		11-Jul-2023		61.4	mg/l	
	Chromium (filtered)		11-Jul-2023		<0.001	mg/l	
	Copper (filtered)		11-Jul-2023		0.0047	mg/l	
	Iron (filtered)		11-Jul-2023		<0.019	mg/l	
	Lead (filtered)		11-Jul-2023		0.000266	mg/l	
	Magnesium (filtered)		11-Jul-2023		7.69	mg/l	
	Manganese (filtered)		11-Jul-2023		0.00702	mg/l	
	Nickel (filtered)		11-Jul-2023	<0.02 mg/l	0.000997	mg/l	
	Potassium (filtered)		11-Jul-2023		1.02	mg/l	
	Sodium (filtered)		11-Jul-2023		10.7	mg/l	
	Zinc (filtered)		11-Jul-2023		0.0107	mg/l	
	4-Methylphenol	TM176	11-Jul-2023	<0.001 mg/l	<0.002	mg/l	
	Diethyl phthalate		11-Jul-2023	<0.003 mg/l	<0.002	mg/l	
	Chloride	TM184	11-Jul-2023	<150 mg/l	42.9	mg/l	
			09-Aug-2023	<150 mg/l	74.1	mg/l	
			12-Sep-2023	<150 mg/l	36.7	mg/l	
		Nitrate as NO3		11-Jul-2023		5.5	mg/l
		Nitrite as NO2		11-Jul-2023		<0.05	mg/l
		Sulphate		11-Jul-2023		12.4	mg/l
		Total Oxidised Nitrogen as N		11-Jul-2023		1.24	mg/l
		Dichloromethane	TM208	11-Jul-2023	<0.002 mg/l	<0.003	mg/l
		Electrical conductivity @20°C (lab)	TM256	11-Jul-2023		416	µS/cm
				09-Aug-2023		996	µS/cm
				12-Sep-2023		553	µS/cm
	Total Alkalinity as CaCO3		11-Jul-2023		145	mg/l	
	Mecoprop	TM411	11-Jul-2023	<0.000055 mg/l	<0.0002	mg/l	
NACW205	Base of well/borehole/sump	Field	12-Jul-2023		19.6	m	
	Electrical conductivity (field)		12-Jul-2023		234	µS/cm	
			09-Aug-2023		256	µS/cm	
			12-Sep-2023		253	µS/cm	
	Groundwater level/dip		12-Jul-2023		1.22	m	

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW205	Groundwater level/dip	Field	09-Aug-2023		1.12	m
			12-Sep-2023		0.58	m
	Water temperature		12-Jul-2023		17	°C
			09-Aug-2023		16.5	°C
			12-Sep-2023		17.4	°C
	Ammoniacal Nitrogen as N	TM099	11-Jul-2023	<5.5 mg/l	<0.2	mg/l
			09-Aug-2023	<5.5 mg/l	<0.2	mg/l
			12-Sep-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jul-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jul-2023		101	mg/l
	Chromium (filtered)		11-Jul-2023		<0.001	mg/l
	Copper (filtered)		11-Jul-2023		0.00242	mg/l
	Iron (filtered)		11-Jul-2023		<0.019	mg/l
	Lead (filtered)		11-Jul-2023		<0.0002	mg/l
	Magnesium (filtered)		11-Jul-2023		8.36	mg/l
	Manganese (filtered)		11-Jul-2023		0.00319	mg/l
	Nickel (filtered)		11-Jul-2023	<0.02 mg/l	0.000426	mg/l
	Potassium (filtered)		11-Jul-2023		1.04	mg/l
	Sodium (filtered)		11-Jul-2023		9.45	mg/l
	Zinc (filtered)		11-Jul-2023		0.0091	mg/l
	4-Methylphenol	TM176	11-Jul-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		11-Jul-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	11-Jul-2023	<150 mg/l	39.7	mg/l
			09-Aug-2023	<150 mg/l	39.3	mg/l
			12-Sep-2023	<150 mg/l	39.5	mg/l
	Nitrate as NO3		11-Jul-2023		9.78	mg/l
	Nitrite as NO2		11-Jul-2023		<0.05	mg/l
	Sulphate		11-Jul-2023		11.6	mg/l
	Total Oxidised Nitrogen as N		11-Jul-2023		2.21	mg/l
	Dichloromethane	TM208	11-Jul-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jul-2023		566	µS/cm
			09-Aug-2023		566	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	12-Sep-2023		559	µS/cm
	Total Alkalinity as CaCO3		11-Jul-2023		241	mg/l
	Mecoprop	TM411	11-Jul-2023	<0.000055 mg/l	<0.00004	mg/l
NACW212	Base of well/borehole/sump	Field	12-Jul-2023		9.12	m
	Electrical conductivity (field)		12-Jul-2023		215	µS/cm
			09-Aug-2023		204	µS/cm
			12-Sep-2023		217	µS/cm
	Groundwater level/dip		12-Jul-2023		1.1	m
			09-Aug-2023		1.02	m
			12-Sep-2023		1.16	m
	Water temperature		12-Jul-2023		16.6	°C
			09-Aug-2023		15	°C
			12-Sep-2023		16.1	°C
	Ammoniacal Nitrogen as N	TM099	11-Jul-2023	<5.5 mg/l	<0.2	mg/l
			09-Aug-2023	<5.5 mg/l	<0.2	mg/l
			12-Sep-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jul-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		11-Jul-2023		81	mg/l
	Chromium (filtered)		11-Jul-2023		<0.001	mg/l
	Copper (filtered)		11-Jul-2023		0.0113	mg/l
	Iron (filtered)		11-Jul-2023		<0.019	mg/l
	Lead (filtered)		11-Jul-2023		0.000934	mg/l
	Magnesium (filtered)		11-Jul-2023		7.53	mg/l
	Manganese (filtered)		11-Jul-2023		0.00946	mg/l
	Nickel (filtered)		11-Jul-2023	<0.037 mg/l	0.00151	mg/l
	Potassium (filtered)		11-Jul-2023		2.79	mg/l
	Sodium (filtered)		11-Jul-2023		10	mg/l
	Zinc (filtered)		11-Jul-2023		0.0204	mg/l
	4-Methylphenol	TM176	11-Jul-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		11-Jul-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	11-Jul-2023	<150 mg/l	24.9	mg/l
			09-Aug-2023	<150 mg/l	15.4	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW212	Chloride	TM184	12-Sep-2023	<150 mg/l	16.7	mg/l
	Nitrate as NO3		11-Jul-2023		9.23	mg/l
	Nitrite as NO2		11-Jul-2023		0.379	mg/l
	Sulphate		11-Jul-2023		32.5	mg/l
	Total Oxidised Nitrogen as N		11-Jul-2023		2.2	mg/l
	Dichloromethane	TM208	11-Jul-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jul-2023		478	µS/cm
			09-Aug-2023		451	µS/cm
			12-Sep-2023		353	µS/cm
	Total Alkalinity as CaCO3		11-Jul-2023		192	mg/l
NACW213	Mecoprop	TM411	11-Jul-2023	<0.000055 mg/l	<0.00004	mg/l
	Base of well/borehole/sump	Field	12-Jul-2023		10.4	m
	Groundwater level/dip		12-Jul-2023		1.96	m
			09-Aug-2023		2.13	m
			12-Sep-2023		2.65	m
NACW219	Base of well/borehole/sump		12-Jul-2023		15.2	m
	Electrical conductivity (field)		12-Jul-2023		194	µS/cm
	Groundwater level/dip		12-Jul-2023		5.75	m
			09-Aug-2023		4.89	m
			12-Sep-2023		4.61	m
	Water temperature		12-Jul-2023		17.4	°C
	Ammoniacal Nitrogen as N	TM099	11-Jul-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jul-2023		<0.00008	mg/l
	Calcium (filtered)		11-Jul-2023		72	mg/l
	Chromium (filtered)		11-Jul-2023		<0.001	mg/l
	Copper (filtered)		11-Jul-2023		0.00397	mg/l
	Iron (filtered)		11-Jul-2023		1.51	mg/l
	Lead (filtered)		11-Jul-2023		0.000241	mg/l
	Magnesium (filtered)		11-Jul-2023		6.22	mg/l
	Manganese (filtered)		11-Jul-2023		1.55	mg/l
	Nickel (filtered)		11-Jul-2023		0.00167	mg/l
	Potassium (filtered)		11-Jul-2023		2.04	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW219	Sodium (filtered)	TM152	11-Jul-2023		9.35	mg/l
	Zinc (filtered)		11-Jul-2023		0.0199	mg/l
	4-Methylphenol	TM176	11-Jul-2023		<0.1	mg/l
	Diethyl phthalate		11-Jul-2023		<0.1	mg/l
	Chloride	TM184	11-Jul-2023	<150 mg/l	21.8	mg/l
	Nitrate as NO3		11-Jul-2023		4.78	mg/l
	Nitrite as NO2		11-Jul-2023		0.22	mg/l
	Sulphate		11-Jul-2023		27.7	mg/l
	Total Oxidised Nitrogen as N		11-Jul-2023		1.15	mg/l
	Dichloromethane	TM208	11-Jul-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)		11-Jul-2023		404	µS/cm
	Total Alkalinity as CaCO3	TM411	11-Jul-2023		164	mg/l
	Mecoprop		11-Jul-2023		<0.0002	mg/l
NACW227	Base of well/borehole/sump	Field	12-Jul-2023		4.98	m
	Groundwater level/dip		12-Jul-2023		DRY	m
			09-Aug-2023		DRY	m
			12-Sep-2023		DRY	m
NACW228	Base of well/borehole/sump	TM099	12-Jul-2023		7.6	m
	Electrical conductivity (field)		12-Jul-2023		304	µS/cm
			09-Aug-2023		292	µS/cm
			12-Sep-2023		285	µS/cm
	Groundwater level/dip		12-Jul-2023		4.1	m
			09-Aug-2023		4.88	m
			12-Sep-2023		4.9	m
	Water temperature		12-Jul-2023		16.2	°C
			09-Aug-2023		16.4	°C
			12-Sep-2023		17.3	°C
	Ammoniacal Nitrogen as N		11-Jul-2023	<5.5 mg/l	<0.2	mg/l
			09-Aug-2023	<5.5 mg/l	<0.2	mg/l
			12-Sep-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	11-Jul-2023	<0.0001 mg/l	0.000108	mg/l
	Calcium (filtered)		11-Jul-2023		75.8	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW228	Chromium (filtered)	TM152	11-Jul-2023		<0.001	mg/l
	Copper (filtered)		11-Jul-2023		0.00225	mg/l
	Iron (filtered)		11-Jul-2023		0.0246	mg/l
	Lead (filtered)		11-Jul-2023		0.00039	mg/l
	Magnesium (filtered)		11-Jul-2023		21.9	mg/l
	Manganese (filtered)		11-Jul-2023		0.183	mg/l
	Nickel (filtered)		11-Jul-2023	<0.02 mg/l	0.00986	mg/l
	Potassium (filtered)		11-Jul-2023		2.62	mg/l
	Sodium (filtered)		11-Jul-2023		26.7	mg/l
	Zinc (filtered)		11-Jul-2023		0.0171	mg/l
	4-Methylphenol	TM176	11-Jul-2023	<0.001 mg/l	<0.002	mg/l
	Diethyl phthalate		11-Jul-2023	<0.003 mg/l	<0.002	mg/l
	Chloride	TM184	11-Jul-2023	<150 mg/l	127	mg/l
			09-Aug-2023	<150 mg/l	124	mg/l
			12-Sep-2023	<150 mg/l	10.6	mg/l
	Nitrate as NO3		11-Jul-2023		0.402	mg/l
	Nitrite as NO2		11-Jul-2023		<0.05	mg/l
	Sulphate		11-Jul-2023		105	mg/l
	Total Oxidised Nitrogen as N		11-Jul-2023		<0.1	mg/l
	Dichloromethane	TM208	11-Jul-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jul-2023		670	µS/cm
			09-Aug-2023		620	µS/cm
			12-Sep-2023		275	µS/cm
	Total Alkalinity as CaCO3		11-Jul-2023		53.8	mg/l
NACW229	Mecoprop	TM411	11-Jul-2023	<0.000055 mg/l	<0.0004	mg/l
	Base of well/borehole/sump	Field	12-Jul-2023		7.8	m
	Electrical conductivity (field)		12-Jul-2023		386	µS/cm
	Groundwater level/dip		12-Jul-2023		1.87	m
			09-Aug-2023		0.89	m
			12-Sep-2023		1.03	m
	Water temperature		12-Jul-2023		15.7	°C
	Ammoniacal Nitrogen as N	TM099	11-Jul-2023	<5.5 mg/l	5.92	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
NACW229	Cadmium (filtered)	TM152	11-Jul-2023		<0.00008	mg/l
	Calcium (filtered)		11-Jul-2023		89.3	mg/l
	Chromium (filtered)		11-Jul-2023		<0.001	mg/l
	Copper (filtered)		11-Jul-2023		0.00335	mg/l
	Iron (filtered)		11-Jul-2023		1.53	mg/l
	Lead (filtered)		11-Jul-2023		0.000441	mg/l
	Magnesium (filtered)		11-Jul-2023		9.45	mg/l
	Manganese (filtered)		11-Jul-2023		3.89	mg/l
	Nickel (filtered)		11-Jul-2023		0.0054	mg/l
	Potassium (filtered)		11-Jul-2023		59.6	mg/l
	Sodium (filtered)		11-Jul-2023		38.3	mg/l
	Zinc (filtered)		11-Jul-2023		0.00983	mg/l
	4-Methylphenol	TM176	11-Jul-2023		<0.002	mg/l
	Diethyl phthalate		11-Jul-2023		<0.002	mg/l
	Chloride	TM184	11-Jul-2023	<150 mg/l	92.4	mg/l
	Nitrate as NO3		11-Jul-2023		<0.3	mg/l
	Nitrite as NO2		11-Jul-2023		<0.05	mg/l
	Sulphate		11-Jul-2023		37.9	mg/l
	Total Oxidised Nitrogen as N		11-Jul-2023		<0.1	mg/l
	Dichloromethane	TM208	11-Jul-2023		<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	11-Jul-2023		862	µS/cm
	Total Alkalinity as CaCO3		11-Jul-2023		292	mg/l
	Mecoprop	TM411	11-Jul-2023		<0.0002	mg/l
NACW230	Base of well/borehole/sump	Field	12-Jul-2023		19.1	m
	Groundwater level/dip		12-Jul-2023		3.07	m
			09-Aug-2023		1.46	m
			12-Sep-2023		0.82	m
UD1	Ammoniacal Nitrogen as N	TM099	12-Jul-2023	<5.5 mg/l	<0.2	mg/l
			09-Aug-2023	<5.5 mg/l	<0.2	mg/l
			12-Sep-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	12-Jul-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		12-Jul-2023		102	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
UD1	Chromium (filtered)	TM152	12-Jul-2023		<0.001	mg/l
	Copper (filtered)		12-Jul-2023		0.000698	mg/l
	Iron (filtered)		12-Jul-2023		<0.019	mg/l
	Lead (filtered)		12-Jul-2023		<0.0002	mg/l
	Magnesium (filtered)		12-Jul-2023		11.3	mg/l
	Manganese (filtered)		12-Jul-2023		0.0188	mg/l
	Nickel (filtered)		12-Jul-2023	<0.02 mg/l	<0.0004	mg/l
	Potassium (filtered)		12-Jul-2023		2.28	mg/l
	Sodium (filtered)		12-Jul-2023		12.6	mg/l
	Zinc (filtered)		12-Jul-2023		0.00326	mg/l
	4-Methylphenol	TM176	12-Jul-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		12-Jul-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	12-Jul-2023	<150 mg/l	50.9	mg/l
			09-Aug-2023	<150 mg/l	52.4	mg/l
			12-Sep-2023	<150 mg/l	51.7	mg/l
	Nitrate as NO3		12-Jul-2023		9.8	mg/l
	Nitrite as NO2		12-Jul-2023		<0.05	mg/l
	Sulphate		12-Jul-2023		15.2	mg/l
	Total Oxidised Nitrogen as N		12-Jul-2023		2.21	mg/l
	Dichloromethane	TM208	12-Jul-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	12-Jul-2023		600	µS/cm
			09-Aug-2023		611	µS/cm
			12-Sep-2023		609	µS/cm
	Total Alkalinity as CaCO3		12-Jul-2023		246	mg/l
	Mecoprop	TM411	12-Jul-2023	<0.000055 mg/l	<0.00004	mg/l
UD3	Ammoniacal Nitrogen as N	TM099	12-Jul-2023	<5.5 mg/l	<0.2	mg/l
			09-Aug-2023	<5.5 mg/l	<0.2	mg/l
			12-Sep-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	12-Jul-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		12-Jul-2023		62.1	mg/l
	Chromium (filtered)		12-Jul-2023		<0.001	mg/l
	Copper (filtered)		12-Jul-2023		0.00137	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
UD3	Iron (filtered)	TM152	12-Jul-2023		<0.019	mg/l
	Lead (filtered)		12-Jul-2023		0.000218	mg/l
	Magnesium (filtered)		12-Jul-2023		7.56	mg/l
	Manganese (filtered)		12-Jul-2023		0.00622	mg/l
	Nickel (filtered)		12-Jul-2023	<0.02 mg/l	<0.0004	mg/l
	Potassium (filtered)		12-Jul-2023		1.15	mg/l
	Sodium (filtered)		12-Jul-2023		11.9	mg/l
	Zinc (filtered)		12-Jul-2023		0.0056	mg/l
	4-Methylphenol	TM176	12-Jul-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		12-Jul-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	12-Jul-2023	<150 mg/l	18.5	mg/l
			09-Aug-2023	<150 mg/l	17.1	mg/l
			12-Sep-2023	<150 mg/l	17	mg/l
	Nitrate as NO3		12-Jul-2023		6	mg/l
	Nitrite as NO2		12-Jul-2023		<0.05	mg/l
	Sulphate		12-Jul-2023		11.6	mg/l
	Total Oxidised Nitrogen as N		12-Jul-2023		1.35	mg/l
	Dichloromethane	TM208	12-Jul-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	12-Jul-2023		394	µS/cm
			09-Aug-2023		414	µS/cm
			12-Sep-2023		407	µS/cm
	Total Alkalinity as CaCO3		12-Jul-2023		179	mg/l
	Mecoprop	TM411	12-Jul-2023	<0.000055 mg/l	<0.00004	mg/l
UD4	Ammoniacal Nitrogen as N	TM099	12-Jul-2023	<5.5 mg/l	<0.2	mg/l
			09-Aug-2023	<5.5 mg/l	0.523	mg/l
			12-Sep-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	12-Jul-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		12-Jul-2023		76	mg/l
	Chromium (filtered)		12-Jul-2023		<0.001	mg/l
	Copper (filtered)		12-Jul-2023		0.00283	mg/l
	Iron (filtered)		12-Jul-2023		0.0222	mg/l
	Lead (filtered)		12-Jul-2023		0.000532	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
UD4	Magnesium (filtered)	TM152	12-Jul-2023		5.13	mg/l
	Manganese (filtered)		12-Jul-2023		0.0182	mg/l
	Nickel (filtered)		12-Jul-2023	<0.02 mg/l	0.0005	mg/l
	Potassium (filtered)		12-Jul-2023		0.828	mg/l
	Sodium (filtered)		12-Jul-2023		8.63	mg/l
	Zinc (filtered)		12-Jul-2023		0.0137	mg/l
	4-Methylphenol	TM176	12-Jul-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		12-Jul-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	12-Jul-2023	<150 mg/l	13.7	mg/l
			09-Aug-2023	<150 mg/l	17.7	mg/l
			12-Sep-2023	<150 mg/l	13.1	mg/l
	Nitrate as NO3		12-Jul-2023		4.49	mg/l
	Nitrite as NO2		12-Jul-2023		<0.05	mg/l
	Sulphate		12-Jul-2023		14.8	mg/l
	Total Oxidised Nitrogen as N		12-Jul-2023		1.01	mg/l
	Dichloromethane	TM208	12-Jul-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)		12-Jul-2023		412	µS/cm
			09-Aug-2023		539	µS/cm
			12-Sep-2023		430	µS/cm
	Total Alkalinity as CaCO3		12-Jul-2023		197	mg/l
	Mecoprop	TM411	12-Jul-2023	<0.000055 mg/l	<0.00004	mg/l
UD5	Ammoniacal Nitrogen as N	TM099	12-Jul-2023	<5.5 mg/l	<0.2	mg/l
			09-Aug-2023	<5.5 mg/l	<0.2	mg/l
			12-Sep-2023	<5.5 mg/l	<0.2	mg/l
	Cadmium (filtered)	TM152	12-Jul-2023	<0.0001 mg/l	<0.00008	mg/l
	Calcium (filtered)		12-Jul-2023		50.7	mg/l
	Chromium (filtered)		12-Jul-2023		<0.001	mg/l
	Copper (filtered)		12-Jul-2023		0.00338	mg/l
	Iron (filtered)		12-Jul-2023		0.1	mg/l
	Lead (filtered)		12-Jul-2023		0.000459	mg/l
	Magnesium (filtered)		12-Jul-2023		3.7	mg/l
	Manganese (filtered)		12-Jul-2023		0.00795	mg/l

Monitoring location	Substance / parameter ⁽⁶⁾	Test method ⁽²⁾	Date ⁽³⁾	Compliance limit ⁽⁷⁾	Result ^{(1) (4)}	Unit ⁽⁵⁾
UD5	Nickel (filtered)	TM152	12-Jul-2023	<0.02 mg/l	0.001	mg/l
	Potassium (filtered)		12-Jul-2023		14.3	mg/l
	Sodium (filtered)		12-Jul-2023		5.88	mg/l
	Zinc (filtered)		12-Jul-2023		0.00305	mg/l
	4-Methylphenol	TM176	12-Jul-2023	<0.001 mg/l	<0.001	mg/l
	Diethyl phthalate		12-Jul-2023	<0.003 mg/l	<0.001	mg/l
	Chloride	TM184	12-Jul-2023	<150 mg/l	11.8	mg/l
			09-Aug-2023	<150 mg/l	20.6	mg/l
			12-Sep-2023	<150 mg/l	15.7	mg/l
	Nitrate as NO3		12-Jul-2023		2.92	mg/l
	Nitrite as NO2		12-Jul-2023		<0.05	mg/l
	Sulphate		12-Jul-2023		26.9	mg/l
	Total Oxidised Nitrogen as N		12-Jul-2023		0.66	mg/l
	Dichloromethane	TM208	12-Jul-2023	<0.002 mg/l	<0.003	mg/l
	Electrical conductivity @20°C (lab)	TM256	12-Jul-2023		319	µS/cm
			09-Aug-2023		493	µS/cm
			12-Sep-2023		410	µS/cm
	Total Alkalinity as CaCO3		12-Jul-2023		131	mg/l
	Mecoprop	TM411	12-Jul-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 September 2023

(Authorised to sign as representative of
Operator)