

Permit Number: JP3239ST

Operator: The County council of the City and County of Cardiff

Installation: Lamby Way Landfill Site

Form Number:

Reporting ofGround Water..... monitoring for the period for ... March 2022

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C1	Am Nitrogen	TBA	Mar - 22	0.88	INORG-L12	28 th Mar 2022	12.69
C1	Cadmium	1 ug/l	Mar - 22	-	1450	28 th Mar 2022	3.93
C1	Nickel	0.22 ug/l	Mar - 22	-	METALS-L	28 th Mar 2022	5.23
C1	Chloride	TBA	Mar - 22	477	INORG-L13	28 th Mar 2022	6.71
C1	MP Xylene	1 ug/l	Mar - 22	-	ORG-LO5	28 th Mar 2022	7.66
C1	Mecoprop	0.1 ug/l	Mar - 22	-	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C2	Am Nitrogen	TBA	Mar - 22	7.6	INORG-L12	28 th Mar 2022	12.69
C2	Cadmium	1 ug/l	Mar - 22	-	1450	28 th Mar 2022	3.93
C2	Nickel	0.22 ug/l	Mar - 22	-	METALS-L	28 th Mar 2022	5.23
C2	Chloride	TBA	Mar - 22	59.2	INORG-L13	28 th Mar 2022	6.71
C2	MP Xylene	1 ug/l	Mar - 22	-	ORG-LO5	28 th Mar 2022	7.66
C2	Mecoprop	0.1 ug/l	Mar - 22	-	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C3	Am Nitrogen	TBA	Mar - 22	<0.01	INORG-L12	28 th Mar 2022	12.69
C3	Cadmium	1 ug/l	Mar - 22	-	1450	28 th Mar 2022	3.93
C3	Nickel	0.22 ug/l	Mar - 22	-	METALS-L	28 th Mar 2022	5.23
C3	Chloride	TBA	Mar - 22	95.0	INORG-L13	28 th Mar 2022	6.71
C3	MP Xylene	1 ug/l	Mar - 22	-	ORG-LO5	28 th Mar 2022	7.66
C3	Mecoprop	0.1 ug/l	Mar - 22	-	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C4	Am Nitrogen	TBA	Mar - 22	N/A	INORG-L12	28 th Mar 2022	12.69
C4	Cadmium	1 ug/l	Mar - 22	N/A	1450	28 th Mar 2022	3.93
C4	Nickel	0.22 ug/l	Mar - 22	N/A	METALS-L	28 th Mar 2022	5.23
C4	Chloride	TBA	Mar - 22	N/A	INORG-L13	28 th Mar 2022	6.71
C4	MP Xylene	1 ug/l	Mar - 22	N/A	ORG-LO5	28 th Mar 2022	7.66
C4	Mecoprop	0.1 ug/l	Mar - 22	N/A	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C5	Am Nitrogen	TBA	Mar - 22	1.3	INORG-L12	28 th Mar 2022	12.69
C5	Cadmium	1 ug/l	Mar - 22	-	1450	28 th Mar 2022	3.93
C5	Nickel	0.22 ug/l	Mar - 22	-	METALS-L	28 th Mar 2022	5.23
C5	Chloride	TBA	Mar - 22	2,980	INORG-L13	28 th Mar 2022	6.71
C5	MP Xylene	1 ug/l	Mar - 22	-	ORG-LO5	28 th Mar 2022	7.66
C5	Mecoprop	0.1 ug/l	Mar - 22	-	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C6	Am Nitrogen	TBA	Mar - 22	<0.01	INORG-L12	28 th Mar 2022	12.69
C6	Cadmium	1 ug/l	Mar - 22	-	1450	28 th Mar 2022	3.93
C6	Nickel	0.22 ug/l	Mar - 22	-	METALS-L	28 th Mar 2022	5.23
C6	Chloride	TBA	Mar - 22	3,940	INORG-L13	28 th Mar 2022	6.71
C6	MP Xylene	1 ug/l	Mar - 22	-	ORG-LO5	28 th Mar 2022	7.66
C6	Mecoprop	0.1 ug/l	Mar - 22	-	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C8	Am Nitrogen	TBA	Mar - 22	7.3	INORG-L12	28 th Mar 2022	12.69
C8	Cadmium	1 ug/l	Mar - 22	-	1450	28 th Mar 2022	3.93
C8	Nickel	0.22 ug/l	Mar - 22	-	METALS-L	28 th Mar 2022	5.23
C8	Chloride	TBA	Mar - 22	5,910	INORG-L13	28 th Mar 2022	6.71
C8	MP Xylene	1 ug/l	Mar - 22	-	ORG-LO5	28 th Mar 2022	7.66
C8	Mecoprop	0.1 ug/l	Mar - 22	-	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C10	Am Nitrogen	TBA	Mar - 22	N/A	INORG-L12	28 th Mar 2022	12.69
C10	Cadmium	1 ug/l	Mar - 22	N/A	1450	28 th Mar 2022	3.93
C10	Nickel	0.22 ug/l	Mar - 22	N/A	METALS-L	28 th Mar 2022	5.23
C10	Chloride	TBA	Mar - 22	N/A	INORG-L13	28 th Mar 2022	6.71
C10	MP Xylene	1 ug/l	Mar - 22	N/A	ORG-LO5	28 th Mar 2022	7.66
C10	Mecoprop	0.1 ug/l	Mar - 22	N/A	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C12	Am Nitrogen	TBA	Mar - 22	9.9	INORG-L12	28 th Mar 2022	12.69
C12	Cadmium	1 ug/l	Mar - 22	-	1450	28 th Mar 2022	3.93
C12	Nickel	0.22 ug/l	Mar - 22	-	METALS-L	28 th Mar 2022	5.23
C12	Chloride	TBA	Mar - 22	5,490	INORG-L13	28 th Mar 2022	6.71
C12	MP Xylene	1 ug/l	Mar - 22	-	ORG-LO5	28 th Mar 2022	7.66
C12	Mecoprop	0.1 ug/l	Mar - 22	-	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C13	Am Nitrogen	TBA	Mar - 22	6.9	INORG-L12	28 th Mar 2022	12.69
C13	Cadmium	1 ug/l	Mar - 22	-	1450	28 th Mar 2022	3.93
C13	Nickel	0.22 ug/l	Mar - 22	-	METALS-L	28 th Mar 2022	5.23
C13	Chloride	TBA	Mar - 22	4,250	INORG-L13	28 th Mar 2022	6.71
C13	MP Xylene	1 ug/l	Mar - 22	-	ORG-LO5	28 th Mar 2022	7.66
C13	Mecoprop	0.1 ug/l	Mar - 22	-	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C14	Am Nitrogen	TBA	Mar - 22	7.1	INORG-L12	28 th Mar 2022	12.69
C14	Cadmium	1 ug/l	Mar - 22	-	1450	28 th Mar 2022	3.93
C14	Nickel	0.22 ug/l	Mar - 22	-	METALS-L	28 th Mar 2022	5.23
C14	Chloride	TBA	Mar - 22	5,860	INORG-L13	28 th Mar 2022	6.71
C14	MP Xylene	1 ug/l	Mar - 22	-	ORG-LO5	28 th Mar 2022	7.66
C14	Mecoprop	0.1 ug/l	Mar - 22	-	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C16	Am Nitrogen	TBA	Mar - 22	N/A	INORG-L12	28 th Mar 2022	12.69
C16	Cadmium	1 ug/l	Mar - 22	N/A	1450	28 th Mar 2022	3.93
C16	Nickel	0.22 ug/l	Mar - 22	N/A	METALS-L	28 th Mar 2022	5.23
C16	Chloride	TBA	Mar - 22	N/A	INORG-L13	28 th Mar 2022	6.71
C16	MP Xylene	1 ug/l	Mar - 22	N/A	ORG-LO5	28 th Mar 2022	7.66
C16	Mecoprop	0.1 ug/l	Mar - 22	N/A	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C17	Am Nitrogen	TBA	Mar - 22	N/A	INORG-L12	28 th Mar 2022	12.69
C17	Cadmium	1 ug/l	Mar - 22	N/A	1450	28 th Mar 2022	3.93
C17	Nickel	0.22 ug/l	Mar - 22	N/A	METALS-L	28 th Mar 2022	5.23
C17	Chloride	TBA	Mar - 22	N/A	INORG-L13	28 th Mar 2022	6.71
C17	MP Xylene	1 ug/l	Mar - 22	N/A	ORG-LO5	28 th Mar 2022	7.66
C17	Mecoprop	0.1 ug/l	Mar - 22	N/A	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C18	Am Nitrogen	TBA	Mar - 22	<0.01	INORG-L12	28 th Mar 2022	12.69
C18	Cadmium	1 ug/l	Mar - 22	-	1450	28 th Mar 2022	3.93
C18	Nickel	0.22 ug/l	Mar - 22	-	METALS-L	28 th Mar 2022	5.23
C18	Chloride	TBA	Mar - 22	59.9	INORG-L13	28 th Mar 2022	6.71
C18	MP Xylene	1 ug/l	Mar - 22	-	ORG-LO5	28 th Mar 2022	7.66
C18	Mecoprop	0.1 ug/l	Mar - 22	-	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C19	Am Nitrogen	TBA	Mar - 22	<0.01	INORG-L12	28 th Mar 2022	12.69
C19	Cadmium	1 ug/l	Mar - 22	-	1450	28 th Mar 2022	3.93
C19	Nickel	0.22 ug/l	Mar - 22	-	METALS-L	28 th Mar 2022	5.23
C19	Chloride	TBA	Mar - 22	1,050	INORG-L13	28 th Mar 2022	6.71
C19	MP Xylene	1 ug/l	Mar - 22	-	ORG-LO5	28 th Mar 2022	7.66
C19	Mecoprop	0.1 ug/l	Mar - 22	-	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C20	Am Nitrogen	TBA	Mar - 22	N/A	INORG-L12	28 th Mar 2022	12.69
C20	Cadmium	1 ug/l	Mar - 22	N/A	1450	28 th Mar 2022	3.93
C20	Nickel	0.22 ug/l	Mar - 22	N/A	METALS-L	28 th Mar 2022	5.23
C20	Chloride	TBA	Mar - 22	N/A	INORG-L13	28 th Mar 2022	6.71
C20	MP Xylene	1 ug/l	Mar - 22	N/A	ORG-LO5	28 th Mar 2022	7.66
C20	Mecoprop	0.1 ug/l	Mar - 22	N/A	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C21	Am Nitrogen	TBA	Mar - 22	<0.01	INORG-L12	28 th Mar 2022	12.69
C21	Cadmium	1 ug/l	Mar - 22	-	1450	28 th Mar 2022	3.93
C21	Nickel	0.22 ug/l	Mar - 22	-	METALS-L	28 th Mar 2022	5.23
C21	Chloride	TBA	Mar - 22	1,750	INORG-L13	28 th Mar 2022	6.71
C21	MP Xylene	1 ug/l	Mar - 22	-	ORG-LO5	28 th Mar 2022	7.66
C21	Mecoprop	0.1 ug/l	Mar - 22	-	ORG-L17	28 th Mar 2022	8.27

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C22	Am Nitrogen	TBA	Mar - 22	0.63	INORG-L12	28 th Mar 2022	12.69
C22	Cadmium	1 ug/l	Mar - 22	-	1450	28 th Mar 2022	3.93
C22	Nickel	0.22 ug/l	Mar - 22	-	METALS-L	28 th Mar 2022	5.23
C22	Chloride	TBA	Mar - 22	7,390	INORG-L13	28 th Mar 2022	6.71
C22	MP Xylene	1 ug/l	Mar - 22	-	ORG-LO5	28 th Mar 2022	7.66
C22	Mecoprop	0.1 ug/l	Mar - 22	-	ORG-L17	28 th Mar 2022	8.27

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.

Signed

A handwritten signature in black ink, appearing to be 'Operator', written in a cursive style.

Date 24th May 2022

(Authorised to sign as representative of Operator)