

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 ... February 2022

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C1	Am Nitrogen	TBA	Feb - 22	0.91	INORG-L12	23 rd Feb 2022	12.69
C1	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C1	Nickel	0.22 ug/l	Feb - 22	<1.5	METALS-L	23 rd Feb 2022	5.23
C1	Chloride	TBA	Feb - 22	447	INORG-L13	23 rd Feb 2022	6.71
C1	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C1	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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	Feb - 22	1.4	INORG-L12	23 rd Feb 2022	12.69
C2	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C2	Nickel	0.22 ug/l	Feb - 22	<1.5	METALS-L	23 rd Feb 2022	5.23
C2	Chloride	TBA	Feb - 22	45.3	INORG-L13	23 rd Feb 2022	6.71
C2	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C2	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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	Feb - 22	1.6	INORG-L12	23 rd Feb 2022	12.69
C3	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C3	Nickel	0.22 ug/l	Feb - 22	6.4	METALS-L	23 rd Feb 2022	5.23
C3	Chloride	TBA	Feb - 22	912	INORG-L13	23 rd Feb 2022	6.71
C3	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C3	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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	Feb - 22	N/A	INORG-L12	23 rd Feb 2022	12.69
C4	Cadmium	1 ug/l	Feb - 22	N/A	1450	23 rd Feb 2022	3.93
C4	Nickel	0.22 ug/l	Feb - 22	N/A	METALS-L	23 rd Feb 2022	5.23
C4	Chloride	TBA	Feb - 22	N/A	INORG-L13	23 rd Feb 2022	6.71
C4	MP Xylene	1 ug/l	Feb - 22	N/A	ORG-LO5	23 rd Feb 2022	7.66
C4	Mecoprop	0.1 ug/l	Feb - 22	N/A	ORG-L17	23 rd Feb 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	Feb - 22	3.6	INORG-L12	23 rd Feb 2022	12.69
C5	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C5	Nickel	0.22 ug/l	Feb - 22	<1.5	METALS-L	23 rd Feb 2022	5.23
C5	Chloride	TBA	Feb - 22	2,750	INORG-L13	23 rd Feb 2022	6.71
C5	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C5	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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	Feb - 22	0.23	INORG-L12	23 rd Feb 2022	12.69
C6	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C6	Nickel	0.22 ug/l	Feb - 22	<1.5	METALS-L	23 rd Feb 2022	5.23
C6	Chloride	TBA	Feb - 22	6,440	INORG-L13	23 rd Feb 2022	6.71
C6	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C6	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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	Feb - 22	1.5	INORG-L12	23 rd Feb 2022	12.69
C8	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C8	Nickel	0.22 ug/l	Feb - 22	<1.5	METALS-L	23 rd Feb 2022	5.23
C8	Chloride	TBA	Feb - 22	6,880	INORG-L13	23 rd Feb 2022	6.71
C8	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C8	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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	Feb - 22	N/A	INORG-L12	23 rd Feb 2022	12.69
C10	Cadmium	1 ug/l	Feb - 22	N/A	1450	23 rd Feb 2022	3.93
C10	Nickel	0.22 ug/l	Feb - 22	N/A	METALS-L	23 rd Feb 2022	5.23
C10	Chloride	TBA	Feb - 22	N/A	INORG-L13	23 rd Feb 2022	6.71
C10	MP Xylene	1 ug/l	Feb - 22	N/A	ORG-LO5	23 rd Feb 2022	7.66
C10	Mecoprop	0.1 ug/l	Feb - 22	N/A	ORG-L17	23 rd Feb 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	Feb - 22	21.6	INORG-L12	23 rd Feb 2022	12.69
C12	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C12	Nickel	0.22 ug/l	Feb - 22	<1.5	METALS-L	23 rd Feb 2022	5.23
C12	Chloride	TBA	Feb - 22	6,210	INORG-L13	23 rd Feb 2022	6.71
C12	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C12	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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	Feb - 22	7.8	INORG-L12	23 rd Feb 2022	12.69
C13	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C13	Nickel	0.22 ug/l	Feb - 22	<1.5	METALS-L	23 rd Feb 2022	5.23
C13	Chloride	TBA	Feb - 22	4,260	INORG-L13	23 rd Feb 2022	6.71
C13	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C13	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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	Feb - 22	26.9	INORG-L12	23 rd Feb 2022	12.69
C14	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C14	Nickel	0.22 ug/l	Feb - 22	<1.5	METALS-L	23 rd Feb 2022	5.23
C14	Chloride	TBA	Feb - 22	6,640	INORG-L13	23 rd Feb 2022	6.71
C14	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C14	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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	Feb - 22	N/A	INORG-L12	23 rd Feb 2022	12.69
C16	Cadmium	1 ug/l	Feb - 22	N/A	1450	23 rd Feb 2022	3.93
C16	Nickel	0.22 ug/l	Feb - 22	N/A	METALS-L	23 rd Feb 2022	5.23
C16	Chloride	TBA	Feb - 22	N/A	INORG-L13	23 rd Feb 2022	6.71
C16	MP Xylene	1 ug/l	Feb - 22	N/A	ORG-LO5	23 rd Feb 2022	7.66
C16	Mecoprop	0.1 ug/l	Feb - 22	N/A	ORG-L17	23 rd Feb 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	Feb - 22	N/A	INORG-L12	23 rd Feb 2022	12.69
C17	Cadmium	1 ug/l	Feb - 22	N/A	1450	23 rd Feb 2022	3.93
C17	Nickel	0.22 ug/l	Feb - 22	N/A	METALS-L	23 rd Feb 2022	5.23
C17	Chloride	TBA	Feb - 22	N/A	INORG-L13	23 rd Feb 2022	6.71
C17	MP Xylene	1 ug/l	Feb - 22	N/A	ORG-LO5	23 rd Feb 2022	7.66
C17	Mecoprop	0.1 ug/l	Feb - 22	N/A	ORG-L17	23 rd Feb 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	Feb - 22	0.11	INORG-L12	23 rd Feb 2022	12.69
C18	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C18	Nickel	0.22 ug/l	Feb - 22	<1.5	METALS-L	23 rd Feb 2022	5.23
C18	Chloride	TBA	Feb - 22	149	INORG-L13	23 rd Feb 2022	6.71
C18	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C18	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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	Feb - 22	0.04	INORG-L12	23 rd Feb 2022	12.69
C19	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C19	Nickel	0.22 ug/l	Feb - 22	<1.5	METALS-L	23 rd Feb 2022	5.23
C19	Chloride	TBA	Feb - 22	1,720	INORG-L13	23 rd Feb 2022	6.71
C19	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C19	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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	Feb - 22	0.87	INORG-L12	23 rd Feb 2022	12.69
C20	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C20	Nickel	0.22 ug/l	Feb - 22	<1.5	METALS-L	23 rd Feb 2022	5.23
C20	Chloride	TBA	Feb - 22	9,850	INORG-L13	23 rd Feb 2022	6.71
C20	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C20	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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	Feb - 22	0.08	INORG-L12	23 rd Feb 2022	12.69
C21	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C21	Nickel	0.22 ug/l	Feb - 22	<1.5	METALS-L	23 rd Feb 2022	5.23
C21	Chloride	TBA	Feb - 22	1,510	INORG-L13	23 rd Feb 2022	6.71
C21	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C21	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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	Feb - 22	2.6	INORG-L12	23 rd Feb 2022	12.69
C22	Cadmium	1 ug/l	Feb - 22	<0.11	1450	23 rd Feb 2022	3.93
C22	Nickel	0.22 ug/l	Feb - 22	<1.5	METALS-L	23 rd Feb 2022	5.23
C22	Chloride	TBA	Feb - 22	9,130	INORG-L13	23 rd Feb 2022	6.71
C22	MP Xylene	1 ug/l	Feb - 22	<1.0	ORG-LO5	23 rd Feb 2022	7.66
C22	Mecoprop	0.1 ug/l	Feb - 22	<0.1	ORG-L17	23 rd Feb 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)