

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 ... August 2022

Monitoring Point	Substance/ Parameter	Trigger Level	Reference Period	Result [1]	Test Method [2]	Sample Date & Times [3]	Uncertainty [4]
C1	Am Nitrogen	TBA	Aug - 22	0.75	INORG-L12	10 th August 2022	12.69
C1	Cadmium	1 ug/l	Aug - 22	<0.11	1450	10 th August 2022	3.93
C1	Nickel	0.22 ug/l	Aug - 22	2.5	METALS-L	10 th August 2022	5.23
C1	Chloride	TBA	Aug - 22	543	INORG-L13	10 th August 2022	6.71
C1	MP Xylene	1 ug/l	Aug - 22	<1.0	ORG-LO5	10 th August 2022	7.66
C1	Mecoprop	0.1 ug/l	Aug - 22	<0.1	ORG-L17	10 th August 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	Aug - 22	0.11	INORG-L12	10 th August 2022	12.69
C2	Cadmium	1 ug/l	Aug - 22	<0.11	1450	10 th August 2022	3.93
C2	Nickel	0.22 ug/l	Aug - 22	1.6	METALS-L	10 th August 2022	5.23
C2	Chloride	TBA	Aug - 22	27.6	INORG-L13	10 th August 2022	6.71
C2	MP Xylene	1 ug/l	Aug - 22	<1.0	ORG-LO5	10 th August 2022	7.66
C2	Mecoprop	0.1 ug/l	Aug - 22	<0.1	ORG-L17	10 th August 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	Aug - 22	2.8	INORG-L12	10 th August 2022	12.69
C3	Cadmium	1 ug/l	Aug - 22	<0.11	1450	10 th August 2022	3.93
C3	Nickel	0.22 ug/l	Aug - 22	4.2	METALS-L	10 th August 2022	5.23
C3	Chloride	TBA	Aug - 22	137	INORG-L13	10 th August 2022	6.71
C3	MP Xylene	1 ug/l	Aug - 22	<1.0	ORG-LO5	10 th August 2022	7.66
C3	Mecoprop	0.1 ug/l	Aug - 22	<0.1	ORG-L17	10 th August 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	Aug - 22	DNR	INORG-L12	10 th August 2022	12.69
C4	Cadmium	1 ug/l	Aug - 22	DNR	1450	10 th August 2022	3.93
C4	Nickel	0.22 ug/l	Aug - 22	DNR	METALS-L	10 th August 2022	5.23
C4	Chloride	TBA	Aug - 22	DNR	INORG-L13	10 th August 2022	6.71
C4	MP Xylene	1 ug/l	Aug - 22	DNR	ORG-LO5	10 th August 2022	7.66
C4	Mecoprop	0.1 ug/l	Aug - 22	DNR	ORG-L17	10 th August 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	Aug - 22	6.7	INORG-L12	10 th August 2022	12.69
C5	Cadmium	1 ug/l	Aug - 22	<0.11	1450	10 th August 2022	3.93
C5	Nickel	0.22 ug/l	Aug - 22	<1.5	METALS-L	10 th August 2022	5.23
C5	Chloride	TBA	Aug - 22	3180	INORG-L13	10 th August 2022	6.71
C5	MP Xylene	1 ug/l	Aug - 22	<1.0	ORG-LO5	10 th August 2022	7.66
C5	Mecoprop	0.1 ug/l	Aug - 22	<0.1	ORG-L17	10 th August 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	Aug - 22	0.44	INORG-L12	10 th August 2022	12.69
C6	Cadmium	1 ug/l	Aug - 22	<0.11	1450	10 th August 2022	3.93
C6	Nickel	0.22 ug/l	Aug - 22	2.0	METALS-L	10 th August 2022	5.23
C6	Chloride	TBA	Aug - 22	5400	INORG-L13	10 th August 2022	6.71
C6	MP Xylene	1 ug/l	Aug - 22	<1.0	ORG-LO5	10 th August 2022	7.66
C6	Mecoprop	0.1 ug/l	Aug - 22	<0.1	ORG-L17	10 th August 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	Aug - 22	0.75	INORG-L12	10 th August 2022	12.69
C8	Cadmium	1 ug/l	Aug - 22	<0.11	1450	10 th August 2022	3.93
C8	Nickel	0.22 ug/l	Aug - 22	3.6	METALS-L	10 th August 2022	5.23
C8	Chloride	TBA	Aug - 22	6000	INORG-L13	10 th August 2022	6.71
C8	MP Xylene	1 ug/l	Aug - 22	<1.0	ORG-LO5	10 th August 2022	7.66
C8	Mecoprop	0.1 ug/l	Aug - 22	<0.1	ORG-L17	10 th August 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	Aug - 22	DNR	INORG-L12	10 th August 2022	12.69
C10	Cadmium	1 ug/l	Aug - 22	DNR	1450	10 th August 2022	3.93
C10	Nickel	0.22 ug/l	Aug - 22	DNR	METALS-L	10 th August 2022	5.23
C10	Chloride	TBA	Aug - 22	DNR	INORG-L13	10 th August 2022	6.71
C10	MP Xylene	1 ug/l	Aug - 22	DNR	ORG-LO5	10 th August 2022	7.66
C10	Mecoprop	0.1 ug/l	Aug - 22	DNR	ORG-L17	10 th August 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	Aug - 22	19.2	INORG-L12	10 th August 2022	12.69
C12	Cadmium	1 ug/l	Aug - 22	<0.11	1450	10 th August 2022	3.93
C12	Nickel	0.22 ug/l	Aug - 22	2.8	METALS-L	10 th August 2022	5.23
C12	Chloride	TBA	Aug - 22	5750	INORG-L13	10 th August 2022	6.71
C12	MP Xylene	1 ug/l	Aug - 22	<1.0	ORG-LO5	10 th August 2022	7.66
C12	Mecoprop	0.1 ug/l	Aug - 22	<0.1	ORG-L17	10 th August 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	Aug - 22	7.6	INORG-L12	10 th August 2022	12.69
C13	Cadmium	1 ug/l	Aug - 22	<0.11	1450	10 th August 2022	3.93
C13	Nickel	0.22 ug/l	Aug - 22	2.7	METALS-L	10 th August 2022	5.23
C13	Chloride	TBA	Aug - 22	4100	INORG-L13	10 th August 2022	6.71
C13	MP Xylene	1 ug/l	Aug - 22	<1.0	ORG-LO5	10 th August 2022	7.66
C13	Mecoprop	0.1 ug/l	Aug - 22	<0.1	ORG-L17	10 th August 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	Aug - 22	22.3	INORG-L12	10 th August 2022	12.69
C14	Cadmium	1 ug/l	Aug - 22	<0.11	1450	10 th August 2022	3.93
C14	Nickel	0.22 ug/l	Aug - 22	<1.5	METALS-L	10 th August 2022	5.23
C14	Chloride	TBA	Aug - 22	5600	INORG-L13	10 th August 2022	6.71
C14	MP Xylene	1 ug/l	Aug - 22	<1.0	ORG-LO5	10 th August 2022	7.66
C14	Mecoprop	0.1 ug/l	Aug - 22	<0.1	ORG-L17	10 th August 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	Aug - 22	DNR	INORG-L12	10 th August 2022	12.69
C16	Cadmium	1 ug/l	Aug - 22	DNR	1450	10 th August 2022	3.93
C16	Nickel	0.22 ug/l	Aug - 22	DNR	METALS-L	10 th August 2022	5.23
C16	Chloride	TBA	Aug - 22	DNR	INORG-L13	10 th August 2022	6.71
C16	MP Xylene	1 ug/l	Aug - 22	DNR	ORG-LO5	10 th August 2022	7.66
C16	Mecoprop	0.1 ug/l	Aug - 22	DNR	ORG-L17	10 th August 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	Aug - 22	DNR	INORG-L12	10 th August 2022	12.69
C17	Cadmium	1 ug/l	Aug - 22	DNR	1450	10 th August 2022	3.93
C17	Nickel	0.22 ug/l	Aug - 22	DNR	METALS-L	10 th August 2022	5.23
C17	Chloride	TBA	Aug - 22	DNR	INORG-L13	10 th August 2022	6.71
C17	MP Xylene	1 ug/l	Aug - 22	DNR	ORG-LO5	10 th August 2022	7.66
C17	Mecoprop	0.1 ug/l	Aug - 22	DNR	ORG-L17	10 th August 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	Aug - 22	3.0	INORG-L12	10 th August 2022	12.69
C18	Cadmium	1 ug/l	Aug - 22	<0.11	1450	10 th August 2022	3.93
C18	Nickel	0.22 ug/l	Aug - 22	2.3	METALS-L	10 th August 2022	5.23
C18	Chloride	TBA	Aug - 22	3040	INORG-L13	10 th August 2022	6.71
C18	MP Xylene	1 ug/l	Aug - 22	<1.0	ORG-LO5	10 th August 2022	7.66
C18	Mecoprop	0.1 ug/l	Aug - 22	<0.1	ORG-L17	10 th August 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	Aug - 22	3.2	INORG-L12	10 th August 2022	12.69
C19	Cadmium	1 ug/l	Aug - 22	<0.11	1450	10 th August 2022	3.93
C19	Nickel	0.22 ug/l	Aug - 22	4.0	METALS-L	10 th August 2022	5.23
C19	Chloride	TBA	Aug - 22	2210	INORG-L13	10 th August 2022	6.71
C19	MP Xylene	1 ug/l	Aug - 22	<1.0	ORG-LO5	10 th August 2022	7.66
C19	Mecoprop	0.1 ug/l	Aug - 22	<0.1	ORG-L17	10 th August 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	Aug - 22	DNR	INORG-L12	10 th August 2022	12.69
C20	Cadmium	1 ug/l	Aug - 22	DNR	1450	10 th August 2022	3.93
C20	Nickel	0.22 ug/l	Aug - 22	DNR	METALS-L	10 th August 2022	5.23
C20	Chloride	TBA	Aug - 22	DNR	INORG-L13	10 th August 2022	6.71
C20	MP Xylene	1 ug/l	Aug - 22	DNR	ORG-LO5	10 th August 2022	7.66
C20	Mecoprop	0.1 ug/l	Aug - 22	DNR	ORG-L17	10 th August 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	Aug - 22	12.1	INORG-L12	10 th August 2022	12.69
C21	Cadmium	1 ug/l	Aug - 22	<0.11	1450	10 th August 2022	3.93
C21	Nickel	0.22 ug/l	Aug - 22	2.7	METALS-L	10 th August 2022	5.23
C21	Chloride	TBA	Aug - 22	7750	INORG-L13	10 th August 2022	6.71
C21	MP Xylene	1 ug/l	Aug - 22	<1.0	ORG-LO5	10 th August 2022	7.66
C21	Mecoprop	0.1 ug/l	Aug - 22	<0.1	ORG-L17	10 th August 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	Aug - 22	1.1	INORG-L12	10 th August 2022	12.69
C22	Cadmium	1 ug/l	Aug - 22	<0.11	1450	10 th August 2022	3.93
C22	Nickel	0.22 ug/l	Aug - 22	2.4	METALS-L	10 th August 2022	5.23
C22	Chloride	TBA	Aug - 22	7100	INORG-L13	10 th August 2022	6.71
C22	MP Xylene	1 ug/l	Aug - 22	<0.1	ORG-LO5	10 th August 2022	7.66
C22	Mecoprop	0.1 ug/l	Aug - 22	<1.0	ORG-L17	10 th August 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 

Date 31st October 2022

(Authorised to sign as representative of Operator)